

DC-TO-DC CONVERTERS

HIGH-POWER 300V AND PFC PRODUCTS

All Models Feature:

- 2nd Generation Product
- Baseplate construction - 100°C max
- Positive or negative logic enable

PFC Module Features:

- Unity power factor
- Parallelable with accurate current sharing
- Power Fail Warning signal
- EEPROM data storage via I2C Interface
- <10% harmonic distortion conforming to IEC1000-3-2 Compliance
- DC input (Configurable)
- Load Enable to control DC - DC converter
- Power Density up to 290W/in3



300Vin full and half brick features:

- Standard thru-hole full and half bricks
- Power Density >100W/in3
- Embedded controls on secondary side
- Temp monitor

- Current sharing
- Power-good signal
- Current limit and OVP adjust

Mfg. part nos. with suffix -01 indicates for stand-alone applications; suffix -6 indicates 3.8mm pin length; default 5.0mm. Negative enable logic control option is available; go online or call.

AIF04ZPFC SERIES UNIVERSAL INPUT (85-264VAC), PFC MODULE

Mfg. Part No.		Output Current 1 (A)	Power (W)	Efficiency (%)	Stock No.	Price Each
● AIF04ZPFC-01NL	380	4.2	1600	95	88K0754	300.93
● AIF04ZPFC-02L	380	4.2	1600	95	06M5362	300.93

AIF SERIES 300V (250-420V) INPUT VOLTAGE, FULL BRICK

● AIF120Y300N-L	1.8	120	216	80	88K0757	371.40
● AIF120F300N-L	3.3	120	396	87	88K0756	371.40
● AIF80A300N-L	5	80	400	90	88K0761	371.40
● AIF50B300N-L	12	50	600	90	88K0760	371.40
● AIF40C300N-L	15	40	600	90	88K0759	371.40
● AIF25H300N-L	24	25	600	90	88K0758	371.40
● AIF12W300N-L	48	12.5	600	90	88K0755	371.40

AIH SERIES 300V (250-420V) INPUT VOLTAGE, HALF BRICK

● AIH50Y300N-L	1.8	50	250	80	88K0767	213.32
● AIH50F300N-L	3.3	50	250	85	88K0766	213.32
● AIH40A300N-L	5	40	250	88	88K0765	213.32
● AIH20B300N-L	12	20	250	90	88K0764	213.32
● AIH16C300N-L	15	16	250	90	88K0763	213.32
● AIH10H300N-L	24	10	250	90	88K0762	213.32

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POLA NON-ISOLATED GENERAL PURPOSE DC/DC CONVERTERS



PTH

PTV

- Wide-output voltage adjust (0.8 to 5.5 V)
- Auto-track™ sequencing*
- Margin up/down controls
- Pre-bias start-up capability
- Remote on/off
- Remote sense
- Point-of-Load-Alliance (POLA) compatible
- True multi-sourcing flexibility (form, fit and function)
- 2 year warranty

PTH is a next generation series of non-isolated DC-DC converters offering some of the most advanced POL features available in the industry. The primary new feature provides for sequencing between multiple modules, a function, which is becoming a necessity for powering advanced silicon including DSP's, FPGA's and ASIC's requiring controlled power-up and power-down. **W** in mfg. part no. indicates wide output voltage and **L** low output voltage; **A** indicates through hole std. pin length (0.140"); **H** indicates through hole (Sn/Pb). The vertical mounting option of the **PTV** module provides performance in less than 20% of the space that is required by alternative solutions. **SIL30E** series are non-isolated DC-DC converters packaged in a single-in-line footprint and the **SMT30E** are packaged in a surface-mount footprint giving users a cost effective solution for conversion from a 12 V source. **V** in mfg. part no. indicates vertical mounting option; **J** indicates Pb-free (RoHS 6/6 compliant). Additional options are available; go online or call Newark.

SPECIFICATIONS:

Ripple & Noise:	See mfg. part no. datasheet
EMC:	Conducted immunity: EN61000-4-6 Radiated immunity: EN61000-4-3
Operating Temperature:	-40°C to +85°C

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POLA NON-ISOLATED GENERAL PURPOSE DC/DC CONVERTERS

(CONT.)

DIMENSIONS (L x W x H): 087 x 0.495 x 0.335"

Mfg. Part No.	Input (V) Min.	Input (V) Max.	Output 1 (VDC) +	Output Cur. 1 (A)	Output Power (Max.)	Reg. (mV) Line	Reg. (mV) Load	Efficiency (%)	Stock No.	Price Each
PTH03050WAH	2.95	3.65	2.5	6	15	±10	±12	94	43K7574	13.32
PTH05050WAH	4.5	5.5	3.6	6	21	±10	±12	95	43K7591	13.32
PTH12050LAH	10.8	13.2	1.8	6	33	±5	±5	88	43K7614	13.32
PTH12050WAH	10.8	13.2	5.5	6	33	±5	±5	93	43K7616	13.32

DIMENSIONS (L x W x H): 0.9 x 0.33 x 0.4"

PTV03010WAH	2.95	3.65	2.5	8	20	±5	±5	93	24K4728	13.32
PTV05010WAH	4.5	5.5	3.6	8	28	±5	±5	95	24K4731	13.32
PTV12010LAH	10.8	13.2	1.8	8	15	±10	±12	87	43K7627	13.32
PTV12010WAH	10.8	13.2	5.5	8	44	±10	±12	92	43K7628	13.32

DIMENSIONS (L x W x H): 0.995 x 0.62 x 0.354"

PTH03060WAH	2.95	3.65	2.5	10	25	±10	±12	93	43K7577	18.91
PTH05060WAH	4.5	5.5	3.6	10	36	±10	±12	94	43K7594	18.91
PTH12060LAH	10.8	13.2	1.8	10	55	±10	±12	88	43K7619	18.91
PTH12060WAH	10.8	13.2	5.5	10	55	±10	±12	94	43K7621	18.91

DIMENSIONS (L x W x H): 1.370 x 0.62 x 0.354"

PTH12010LAH	10.8	13.2	1.8	12	66	±10	±12	89	43K7597	22.37
PTH12010WAH	10.8	13.2	5.5	12	66	±10	±12	94	43K7599	22.37
PTH03010WAH	2.95	3.65	2.5	15	37	±10	±12	93	43K7565	22.37
PTH05010WAH	4.5	5.5	3.6	15	54	±10	±12	95	43K7582	22.37

DIMENSIONS (L x W x H): 1.750 x 0.37 x 0.500"

PTV12020LAH	10.8	13.2	1.8	16	28	±10	±12	89	43K7629	22.37
PTV12020WAH	10.8	13.2	5.5	16	88	±5	±10	94	43K7630	22.37
PTV03020WAH	2.95	3.65	2.5	18	45	±5	±5	95	43K7625	22.37

DIMENSIONS (L x W x H): 1.495 x 0.87 x 0.354"

PTV05020WAH	4.5	5.5	3.6	18	64	±5	±5	94	43K7626	22.37
PTH12020LAH	10.8	13.2	1.8	18	99	±5	±5	89	43K7602	32.42
PTH12020WAH	10.8	13.2	5.5	18	99	±5	±5	95	43K7604	32.42
PTH03020WAH	2.95	3.65	2.5	22	55	±5	±5	95	43K7568	32.42
PTH05020WAH	4.5	5.5	2.5	22	79	±5	±5	96	43K7585	32.42

DIMENSIONS (L x W x H): 1.37 x 1.12 x 0.354"

PTH12030LAH	10.2	13.8	1.8	26	143	±5	±5	89	43K7607	43.44
PTH12030WAH	10.2	13.8	5.5	26	143	±5	±5	95	43K7609	43.44
PTH03030WAH	2.95	3.65	2.5	30	75	±10	±12	93	43K7571	43.44
PTH05030WAH	4.5	5.5	3.6	30	108	±10	±12	94	43K7588	43.44

DIMENSIONS (L x W x H): 2 x 0.31 x 0.5"

● SIL30E-12W3V3-VJ	8	14	3.63	30	99	±0.2	±1.5	93	72K0492	44.43
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DIMENSIONS (L x W x H): 1.3 x 0.53 x 0.32"

● SMT30E-12W3V3J	8	14	3.63	30	99	±0.2	±1.5	91	72K0579	44.43
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DIMENSIONS (L x W x H): 2.045 x 1.045 x 0.357"

PTH12040WAH	8	14	5.5	50	275	±5	±5	96	43K7612	63.84
PTH04040WAH	2.95	5.5	3.6	60	150	±5	±5	96	43K7580	63.84

* Auto-track™ is a trade mark of Texas Instruments (90552)

OKAMI OKX SERIES 10 AND 16 AMP SIP DC/DC CONVERTERS



NEW TECHNOLOGY



- Non-isolated SIP POL DC/DC power module
- 8.3-14Vdc input voltage range
- Programmable output voltage from 0.7525-5.5Vdc
- 10 Amp (T/10) or 16 Amp (T/16) output current models
- Drives 1000 µF ceramic capacitive loads
- High power conversion efficiency 94.5% at 3.3 Vout
- Outstanding thermal derating performance
- Over temperature and over current protection
- On/Off control, Sense and optional Sequence/Track input (OKX2 models)
- UL/EN/IEC 60950-1 safety
- Industry-standard (DOSA) SIP format



OKX-T/10 and -T/16 series are miniature SIP non-isolated Point-of-Load (POL) DC/DC power converters for embedded applications. The module is fully compatible with Distributed-power Open Standards Alliance (DOSA) industry-standard specifications. Applications include powering CPU's, datacom/telecom systems, distributed bus architectures (DBA), programmable logic and mixed voltage systems. Dimensions(LxWxH): 2.0 x 0.37 x 0.5".

Mfg. Part No.	Input (V) Min.	Input (V) Max.	Output Voltage (VDC)	Power (W)	Output Current (A)	Stock No.	Price 1-9
● OKX-T/10-D12N-C	8.3	14	5.5	50	10	92P6794	12.81
● OKX2-T/10-D12N-C	8.3	14	5.5	50	10	92P6798	14.39
● OKX-T/16-D12N-C	8.3	14	5.5	80	16	92P6796	14.39
● OKX2-T/16-D12N-C	8.3	14	5.5	80	16	92P6800	15.45

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DC-TO-DC CONVERTERS

OKAMI OKY SERIES 3, 5, 10, 16 AMP
DOSA POL SMT DC/DC CONVERTERS

OKY-T/3 & T/5-W5 Series

- Drop-in replacement for DOSA PoL converters
- Competitive alternative to discrete designs
- Choice of 3A, 5A, 10A and 16A output current
- High load capacitance to 1000µF



OKY-T/10 & T/16-D12 Series

- High power conversion efficiency up to 96%
- Virtually no derating across rated temperature range
- Wide input voltage range and user selectable output voltage
- UL/EN/IEC 60950-1 safety

OKY-T/3, T/5-D12 series converters include under voltage lockout (UVLO), output short circuit protection, over-current and over temperature protection. Designed to support a wide range of applications, Okami™ modules are ideal for powering the latest generation of FPGAs and DSPs, are drop-in replacement for other DOSA-compliant parts, and are an alternative to discrete designs.

Dimensions(LxWxH): 0.82 x 0.47 x 0.28"

Mfg. Part No.	Input (V) Min.	Input (V) Max.	Output Voltage (VDC)	Power (W)	Output Current (A)	Tape Cut	
						Stock No.	Price 1-9
● OKY-T/3-W5N-C	2.4	5.5	3.63	10.9	3	07R8790	10.34
● OKY-T/3-W5P-C	2.4	5.5	3.63	10.9	3	07R8791	10.34
● OKY-T/3-D12N-C	8.3	14	5	15.3	3	56P4923	6.36
● OKY-T/3-D12P-C	8.3	14	5	15.3	3	56P4925	10.34
● OKY-T/5-W5N-C	2.4	5.5	3.63	18	5	07R8792	13.01
● OKY-T/5-W5P-C	2.4	5.5	3.63	18	5	07R8793	13.01
● OKY-T/5-D12N-C	8.3	14	5	25.3	5	56P4927	13.01

Dimensions(LxWxH): 1.3 x 0.53 x 0.33"

● OKY-T/10-D12N-C	8.3	14	5.5	50	10	10R4024	20.85
● OKY-T/10-D12P-C	8.3	14	5.5	50	10	10R4025	20.85
● OKY2-T/10-D12N-C	8.3	14	5.5	50	10	10R4028	23.41
● OKY2-T/10-D12P-C	8.3	14	5.5	50	10	10R4029	23.41
● OKY-T/16-D12N-C	8.3	14	5.5	80	16	10R4026	23.41
● OKY-T/16-D12P-C	8.3	14	5.5	80	16	10R4027	23.41
● OKY2-T/16-D12N-C	8.3	14	5.5	80	16	10R4030	25.14
● OKY2-T/16-D12P-C	8.3	14	5.5	80	16	10R4031	25.14

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MEV SERIES 3kVDC
ISOLATED 1W SINGLE
OUTPUT DC/DC CONVERTERS

- Efficiency from 80%
- Power density 0.85W/cm3
- Wide temperature performance at full 1 Watt load, -40°C to 85°C
- UL 94V-0 package material
- No heatsink required
- Industry standard pinout
- 3kVDC isolation (1 minute)
- 5V & 12V input
- 5V, 9V, 12V, & 15V output
- Fully encapsulated with toroidal magnetics
- No external components required
- No electrolytic or tantalum capacitors



MEV series is the new high performance version of our 1W NMV series; ordered separately online or call. MEV series is more efficient and offers improved regulation performance ≤5% for applications where a wide output voltage variation can not be tolerated. They are ideally suited for providing local supplies on control system boards with the added benefit of 3kVDC galvanic isolation to reduce switching noise. MEV series is available in an industry SIP 7 package.

Mfg. Part No.	Input (V) Min.	Input (V) Max.	Output Voltage (VDC)	Output Current (mA)	Load Regulation		Efficiency (%)	Stock No.	Price Each
					Typ. (%)	Max. (%)			
● MEV1S0505SC	4.5	5.5	±5	±200	5.2	6.0	84	27P7532	10.96
● MEV1S1205SC	10.8	13.2	±5	±200	4.4	4.8	83.5	27P7536	10.96
● MEV1S0509SC	4.5	5.5	±9	±111	4.0	5.0	86	27P7533	10.96
● MEV1S1209SC	10.8	13.2	±9	±111	2.9	3.2	86	27P7537	10.96
● MEV1S0512SC	4.5	5.5	±12	±84	4.5	5.5	87	27P7534	10.96
● MEV1S1212SC	10.8	13.2	±12	±84	2.9	3.1	87	27P7538	10.96
● MEV1S0515SC	4.5	5.5	±15	±67	4.2	5.0	87	27P7535	10.96
● MEV1S1215SC	10.8	13.2	±15	±67	2.4	2.8	87	27P7539	10.96

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OKAMI OKL SERIES 12V 3 AMP iLGA
SMT POL DC/DC CONVERTERS

- iLGA inspectable land grid array
- 4.5-14VDC input voltage range
- Programmable output voltage from 0.591-5.5VDC
- Drives up to 200 µF ceramic capacitive loads
- High power conversion efficiency at 93%
- Outstanding thermal derating performance
- Over temperature and over current protection
- On/Off control and Power Good signal
- Optional sequence/tracking operation (OKL2 models)

OKL-T/3 series are miniature non-isolated Point-of-Load (PoL) DC/DC power converters for embedded applications. Featuring iLGA inspectable Land Grid Array (LGA) format that allows easy access of all pin connections for inspection of LGA solder joints. Based on fixed-frequency synchronous buck converter switching topology, the high power conversion efficient Point of Load (PoL) module features programmable output voltage and on/off control. These units are designed to meet all standard UL/EN/IEC 60950-1 safety and FCC EMI/RFI emissions certifications. Dimensions(LxWxH): 0.48 x 0.48 x 0.25".

Mfg. Part No.	Input (V) Min.	Input (V) Max.	Output Voltage (VDC)	Power (W)	Output Current (A)	Tape Cut	
						Stock No.	Price 1-9
● OKL-T/3-W12N-C	4.5	14	5.5	15	3	10R4022	6.36
● OKL-T/3-W12P-C	4.5	14	5.5	15	3	10R4023	6.36

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MEA SERIES 1kVDC
ISOLATED 1W DUAL OUTPUT
DC/DC CONVERTERS

- Efficiency from 81%
- Power density 0.85W/cm3
- Wide temperature performance at full 1 Watt load, -40°C to 85°C
- UL 94V-0 package material
- No heatsink required
- Industry standard pinout
- Power sharing on output
- 5V & 12V input
- 5V, 9V, 12V, & 15V output
- Fully encapsulated with toroidal magnetics
- No external components required
- No electrolytic or tantalum capacitors

MEA series is the new high performance version of our 1W NMA series; ordered separately online or call. MEA series is more efficient and offers improved regulation performance ≤5% for applications where a wide output voltage variation can not be tolerated. They are ideally suited for providing dual rail supplies with the added benefit of galvanic isolation to reduce switching noise. All of the rated power may be drawn from a single output providing the total load does not exceed 1 watt.

Mfg. Part No.	Input (V) Min.	Input (V) Max.	Output Voltage (VDC)	Output Current (mA)	Load Regulation		Efficiency (%)	Stock No.	Price Each
					Typ. (%)	Max. (%)			
● MEA1D0505SC	4.5	5.5	±5	±100	4.8	5.2	84.5	27P7524	8.76
● MEA1D1205SC	10.8	13.2	±5	±100	3.5	3.8	84.5	27P7528	8.76
● MEA1D0509SC	4.5	5.5	±9	±55	3.7	4.2	86	27P7525	8.76
● MEA1D1209SC	10.8	13.2	±9	±55	2.4	2.8	86	27P7529	8.76
● MEA1D0512SC	4.5	5.5	±12	±42	4.0	4.6	86.5	27P7526	8.76
● MEA1D1212SC	10.8	13.2	±12	±42	2.6	2.9	88.5	27P7530	8.76
● MEA1D0515SC	4.5	5.5	±15	±33	3.7	4.5	86.5	27P7527	8.76
● MEA1D1215SC	10.8	13.2	±15	±33	2.2	2.6	87.5	27P7531	8.76

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HPR SERIES DC/DC CONVERTERS



- High Output Power Density
- Highly Efficient
- Low Cost
- Internal Input and Output Filtering

HPR1XX and HPR4XX series uses advanced circuit design and packaging technology to deliver superior reliability and performance. HPR1XX series models: 0.785L x 0.525W x 0.375"H; HPR4XX series models: 0.77L x 0.24W x 0.4"H.

0.75 WATT MINIATURE PACKAGE

Mfg. Part No.	Input Voltage, Min.	Input Voltage, Max.	Output 1 (VDC) +	Rated Output Current (mA)	Price Each	
					Stock No.	1-9
● HPR100C	4.5	5.5	5	150	62K2811	8.45
● HPR104C	4.5	5.5	±12	±30	70K2435	10.99
● HPR105C	4.5	5.5	±15	±25	70K2438	10.99
● HPR107C	10.8	13.2	12	62	70K2444	8.45
● HPR112C	13.5	16.5	5	150	70K2459	8.45
● HPR120C	21.6	26.4	15	50	70K2483	8.45
● HPR122C	21.6	26.4	±12	±30	70K2489	10.99

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DC-TO-DC CONVERTERS

HPR SERIES DC/DC CONVERTERS (CONT.)

0.75 WATT MINIATURE SIP

Mfg. Part No.	Input Voltage (VDC)		Output 1 (VDC) +	Rated Output Current (mA)	Stock No.	Price Each
	Min.	Max.				
● HPR400C	4.5	5.5	5	150	67K8914	12.07
● HPR402C	4.5	5.5	15	50	70K2496	12.07
● HPR403C	4.5	5.5	±5	±75	70K2497	17.11
● HPR404C	4.5	5.5	±12	±30	70K2498	17.11
● HPR405C	4.5	5.5	±15	±25	70K2499	17.11
● HPR407C	10.8	13.2	12	62	70K2501	12.07
● HPR410C	10.8	13.2	±12	±30	70K2503	17.11
● HPR411C	10.8	13.2	±15	±25	70K2504	17.11
● HPR414C	13.5	16.5	15	50	70K2507	12.07
● HPR417C	13.5	16.5	±15	±25	70K2509	17.11
● HPR418C	21.6	26.4	5	150	70K2510	12.07
● HPR422C	21.6	26.4	±12	±30	70K2513	17.11
● HPR423C	21.6	26.4	±15	±25	70K2514	17.11

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NMJ SERIES 5.2kVDC ISOLATED, 1W SINGLE- AND DUAL-OUTPUT DC/DC CONVERTERS



- 7-pin SIP package
- 5.2kVDC isolation
- No heat sink required
- Fully encapsulated with toroidal magnetics
- UL60950 recognized



NMJ series single- and dual-output DC/DC converters offer pin and functionality compatibility with NMV series SIP DC/DC converters; ordered separately online or call. Suitable for applications where safety and miniaturization are of paramount importance. Isolation barrier approved for supplementary/reinforced insulation. Wide temperature performance at full 1W load, -40°C to +85°C. Case rated to UL94V-0. Size: 0.49H x 0.39W x 0.77"D. Power density: 0.42W/cm². Pin output: 1 = +VIN; 2 = -VIN; 5 = -VOUT; 6 = 0V; 7 = +VOUT.

SINGLE-OUTPUT

Mfg. Part No.	Input Voltage (VDC)		Output Voltage (VDC)	Output Current* (mA)	Efficiency % (Min.)	Stock No.	Price Each
	Min.	Max.					
● NMJ0505SAC	4.5	5.5	5	200	68	40M1358	14.03
● NMJ0509SAC	4.5	5.5	9	111	72	40M1359	14.03
● NMJ0512SAC	4.5	5.5	12	83	71	40M1360	14.03
● NMJ0515SAC	4.5	5.5	15	66	71	40M1361	14.03
● NMJ1205SAC	10.8	13.2	5	200	69	40M1362	14.03
● NMJ1209SAC	10.8	13.2	9	111	73	40M1363	14.03
● NMJ1212SAC	10.8	13.2	12	83	73	40M1364	14.03
● NMJ1215SAC	10.8	13.2	15	66	74	40M1365	14.03

DUAL-OUTPUT

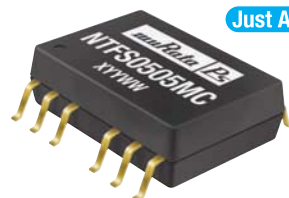
● NMJ0505SC	4.5	5.5	±5	±100	65	61K3204	14.03
● NMJ0509SC	4.5	5.5	±9	±55	70	61K3205	14.03
● NMJ0512SC	4.5	5.5	±12	±42	70	61K3206	14.03
● NMJ0515SC	4.5	5.5	±15	±33	65	61K3207	14.03
● NMJ1205SC	10.8	13.2	±5	±100	65	61K3208	14.03
● NMJ1209SC	10.8	13.2	±9	±55	70	61K3209	14.03
● NMJ1212SC	10.8	13.2	±12	±42	70	61K3210	14.03
● NMJ1215SC	10.8	13.2	±15	±33	65	61K3211	14.03

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NTF SERIES ISOLATED, 1W WIDE INPUT DC/DC CONVERTERS



- Efficiency from 60.5%
- Wide temperature performance -40°C to 85°C
- UL 94V-0 package material
- Lead frame technology
- 5V, 12V, and 24V input
- 5V, 12V and 15V output
- Internal SMD construction
- 1kVDC isolation
- MTTF up to 1.4 million hours
- Power density 0.7W/cm³
- Multi layer ceramic capacitors



Just Added

NTF series 1W surface mount DC/DC converters offer a tightly regulated output voltage in a true surface mount device, available with three 2:1 input voltage ranges of 4-6V, 9-15V and 18-36V. NTF series employs leadframe technology and transfer moulding techniques to bring all of the benefits of IC style packaging to hybrid circuitry. Co-planarity of the lead positions is based upon IEC 191-6:1990. The devices are suitable for all applications where high volume production is envisioned.

Mfg. Part No.	Input Voltage (VDC)		Output Voltage (VDC)	Output Current (mA)	Stock No.	Price Each
	Min.	Max.				
● NTF0505MC	4	6	5	200	28P2720	11.83
● NTF0512MC	4	6	12	83	28P2721	11.83

➔ CONTINUED ➔

NTF SERIES ISOLATED, 1W WIDE INPUT DC/DC CONVERTERS (CONT.)

Mfg. Part No.	Input Voltage (VDC)		Output Voltage (VDC)	Output Current (mA)	Stock No.	Price Each
	Min.	Max.				
● NTF0505MC	4	6	15	66	28P2722	11.83
● NTF0512MC	9	15	5	200	28P2723	11.83
● NTF0512MC	9	15	12	83	28P2724	11.83
● NTF0512MC	9	15	15	66	28P2725	11.83
● NTF0512MC	18	36	5	200	28P2726	11.83
● NTF0512MC	18	36	12	83	28P2727	11.83
● NTF0512MC	18	36	15	66	28P2728	11.83

(142332)

ISOLATED 2W SINGLE OUTPUT DC/DC CONVERTERS



- Power density .33 to 1.33
- Wide temperature performance at full
- 2 Watt load, -40°C to 85°C
- UL 94V-0 package material
- No heatsink required
- Industry standard pinout
- 3kVDC isolation (1 minute)
- Fully encapsulated with toroidal magnetics
- No external components required
- No electrolytic or tantalum capacitors



NMK series of industrial temperature range DC/DC converters, offers a power upgrade path from the 1W NMV series; ordered separately online or call. The NMK offers 3kVDC isolation with 5V output minimum efficiency of 78% at 2W. The un-regulated NMK series has superior output voltage set point accuracy of 7% in conjunction with excellent load regulation for this converter type.

Mfg. Part No.	Input Voltage (VDC)		Output Voltage (VDC)	Output Current (mA)	Efficiency % (Typ.)	Stock No.	Price Each
	Min.	Max.					
● NMK0505SAC	4.5	5.5	5	400	83	94M5052	14.37
● NMK0509SAC	4.5	5.5	9	222	86	94M5053	14.37
● NMK0512SAC	4.5	5.5	12	167	87	94M5054	14.37
● NMK0515SAC	4.5	5.5	15	133	87	94M5055	14.37
● NMK1205SAC	10.8	13.2	5	400	83	94M5056	14.37
● NMK1209SAC	10.8	13.2	9	222	87	94M5057	14.37
● NMK1212SAC	10.8	13.2	12	167	88	94M5058	14.37
● NMK1215SAC	10.8	13.2	15	133	89	94M5059	14.37

(110571)

NDTD SERIES ISOLATED, 3W DUAL-OUTPUT DC/DC CONVERTERS



- Low-profile 24-pin DIP package
- Industry standard footprint
- 2:1 wide range voltage input
- Short circuit protection
- 1kVDC isolation
- No heat seal required
- Fully encapsulated



NDTD series low-profile DC/DC converters offering dual outputs over a 2:1 input voltage range. All parts deliver 3W output power up to +85°C without heatsinking. A flyback oscillator design with isolated feedback is used to give regulation over the full operating range of 25% to 100% of full load. NOTE: It is strongly recommended that external capacitors be used on input and output to guarantee performance over full load and input voltage range. Plastic case is rated to UL94V-0 and encapsulant to UL94V-1. Connection pins are formed from a tin-plated alloy 42 lead frame. Size: 0.27H x 0.57W x 1.27"D.

Mfg. Part No.	Input Voltage (VDC)		Output Voltage (VDC)	Output Current* (mA)	Efficiency %* (Min.)	Stock No.	Price Each
	Min.	Max.					
● NDTD0503C	4.5	9	±3.3	±454	67	87K4648	17.80
● NDTD0505C	4.5	9	±5	±300	72	87K4649	17.80
● NDTD0512C	4.5	9	±12	±125	76	87K4650	17.80
● NDTD0515C	4.5	9	±15	±100	75	87K4651	17.80
● NDTD1203C	9	18	±3.3	±454	73	87K4652	17.80
● NDTD1205C	9	18	±5	±300	75	87K4653	17.80
● NDTD1212C	9	18	±12	±125	78	87K4654	17.80
● NDTD1215C	9	18	±15	±100	78	87K4655	17.80
● NDTD2403C	18	36	±3.3	±454	73	70K3779	17.80
● NDTD2405C	18	36	±5	±300	78	70K3781	17.80
● NDTD2412C	18	36	±12	±125	82	70K3782	17.80
● NDTD2415C	18	36	±15	±100	82	70K3783	17.80
● NDTD4803C	36	75	±3.3	±454	72	87K4656	17.80
● NDTD4805C	36	75	±5	±300	76	87K4657	17.80
● NDTD4812C	36	75	±12	±125	80	87K4658	17.80
● NDTD4815C	36	75	±15	±100	81	87K4659	17.80

*Full load
(108606)

DC-TO-DC CONVERTERS

NDTS SERIES ISOLATED, 3W SINGLE-OUTPUT DC/DC CONVERTERS



- Low-profile 24-pin DIP package
- Industry standard footprint
- 2:1 wide range voltage input
- Short circuit protection
- No heat seat required
- Fully encapsulated



NDTs series low-profile DC/DC converters offering a single regulated output over a 2:1 input voltage range. All parts deliver 3W output power up to +85°C without heatsinking. A flyback oscillator design with isolated feedback is used to give regulation over the full operating range of 25% to 100% of full load. **NOTE:** It is strongly recommended that external capacitors be used on input and output to guarantee performance over full load and input voltage range. Case is rated to UL94V-0. Size: 0.275H x 0.57W x 1.27"D.

Mfg. Part No.	Input Voltage (VDC)		Output Voltage (VDC)	Output Current* (mA)	Efficiency % (Min.)	Stock No.	Price Each 1-9
	Min.	Max.					
● NDT0503C	4.5	9	3.3	909	63	87K4660	16.95
● NDT0505C	4.5	9	5	600	71	87K4661	16.95
● NDT0512C	4.5	9	12	250	76	87K4662	16.95
● NDT0515C	4.5	9	15	200	77	87K4663	16.95
● NDT1203C	9	18	3.3	909	71	87K4664	16.95
● NDT1205C	9	18	5	600	73	87K4665	16.95
● NDT1212C	9	18	12	250	75	87K4666	16.95
● NDT1215C	9	18	15	200	76	87K4667	16.95
● NDT2403C	18	36	3.3	909	71	70K3786	16.95
● NDT2405C	18	36	5	600	78	70K3787	16.95
● NDT2412C	18	36	12	250	80	70K3788	16.95
● NDT2415C	18	36	15	200	84	70K3789	16.95
● NDT4803C	36	72	3.3	909	71	87K4668	16.95
● NDT4805C	36	72	5	600	75	87K4669	16.95
● NDT4812C	36	72	12	250	80	87K4670	16.95
● NDT4815C	36	72	15	200	80	87K4671	16.95

*Full load
(100725)

DATEL® UCP SERIES 40-75W SINGLE OUTPUT DC/DC CONVERTERS



- Standard "half-brick" configuration
- UL/EN60950 safety approvals
- Fully isolated, 1500Vdc guaranteed
- Output voltages available: 12 or 15V
- Input voltage ranges available: 10-18V, 18-36V, 36-75V
- Line regulation: 0.50%
- Load regulation: 1.00%
- Full 40-75Watt output power
- Reliable SMT-on-pcb construction
- Input under and overvoltage shutdown
- Output current limiting and short-circuit protection
- On/off, V-out trim and sense functions
- Dimensions: 2.3 x 2.4 x 0.52"
- Modifications and customs for OEM's, go online or call Newark



Mfg. Part No.	Input Voltage, Min.	Input Voltage, Max.	Output Power (W)	Output 1 (VDC) +	Output Current 1 (A)	Stock No.	Price Each 1-9
UCP-12/4.2-D12	10	18	50	12	4.2	83J0818	147.03
UCP-12/5-D24	18	36	60	12	5	83J0820	147.03

(84006)

DATEL® BWR SERIES DUAL OUTPUT, MIXED VOLTAGE DC/DC CONVERTERS



- Proven on SMT-on-pcb construction
- Output voltages: ± 5 , ± 12 or ± 15 Volts
- Industry-standard pinouts
- Fully isolated
- -40° to +100°C operating temperature
- EMI/EMC characterized
- Modifications and customs for OEM's available on most models; go online or call Newark



3W, DIP: 1.25 x 0.80 x 0.45"

Mfg. Part No.	Input Voltage, Min.	Input Voltage, Max.	Output Power (W)	Output 1 (VDC) +	Output Current 1 (mA)	Line Reg. (%)	Load Reg. (%)	Stock No.	Price Each 1-9
● BWR-5/250-D12-C	9	18	3	5	250	0.50	1.00	87K3509	54.08
● BWR-12/125-D12-C	9	18	3	12	125	0.50	1.00	87K3470	54.08
● BWR-12/125-D48-C	18	72	3	12	125	0.50	1.00	87K3471	50.70
● BWR-15/85-D5-C	4.5	9	3	15	85	0.50	0.50	87K3501	56.79

➔ CONTINUED ➔

DATEL® BWR SERIES DUAL OUTPUT, MIXED VOLTAGE DC/DC CONVERTERS (CONT.)

5W, MINIATURE: 1 x 1 x 0.45"

Mfg. Part No.	Input Voltage, Min.	Input Voltage, Max.	Output Power (W)	Output 1 (VDC) +	Output Current 1 (mA)	Line Reg. (%)	Load Reg. (%)	Stock No.	Price Each 1-9
● BWR-5/500-D24-C	18	36	5	5	500	2.00	2.00	87K3516	66.10
● BWR-12/210-D24-C	18	36	5	12	210	2.00	2.00	87K3472	57.68
● BWR-15/165-D24-C	18	36	5	15	165	2.00	2.00	87K3487	65.66

7-10W, SMALL: 2 x 1 x 0.375"

● BWR-5/700-D5A-C	4.5	9	7	5	700	0.30	1.00	87K3522	87.85
● BWR-5/700-D48A-C	18	72	7	5	700	0.30	1.00	87K3521	86.95
● BWR-5/900-D12A-C	9	18	9	5	900	0.30	1.00	87K3523	87.85
● BWR-12/335-D5A-C	4.5	9	8	12	335	0.30	1.00	87K3474	87.85
● BWR-12/415-D12A-C	9	18	10	12	415	0.30	1.00	87K3475	87.85
● BWR-12/415-D48A-C	18	72	10	12	415	0.30	1.00	87K3476	86.95
● BWR-15/275-D5A-C	4.5	9	8	15	275	0.30	1.00	87K3489	87.85
● BWR-15/330-D12A-C	9	18	10	15	330	0.30	1.00	87K3490	87.85
● BWR-15/330-D48A-C	18	72	10	15	330	0.30	1.00	87K3491	86.95

15-20W, SMALL: 2 x 2 x 0.45"

● BWR-5/1700-D12A-C	9	18	17	5	1700	0.30	0.50	87K3507	106.47
● BWR-12/830-D12A-C	9	18	20	12	830	0.30	0.50	87K3483	106.47
● BWR-12/830-D48A-C	18	72	20	12	830	0.40	0.50	87K3484	114.47
● BWR-15/500-D5A-C	4.5	9	15	15	500	0.50	1.00	87K3492	117.12
● BWR-15/670-D12A-C	9	18	20	15	670	0.30	0.50	87K3499	106.47

15-17W, SMALL: 2 x 2 x 0.45"

● BWR-5/1500-D24AC-C	18	36	15	5	1500	0.50	0.50	87K3504	65.07
● BWR-15/575-D12AC-C	9	18	17	15	575	0.50	0.50	87K3493	66.34
● BWR-15/575-D24A-C	18	36	17	15	575	0.50	0.50	73P4543	55.90

33W, SMALL: 2 x 2 x 0.45"

● BWR-5/3637-D48-C	36	75	33	5	6A	1.00	1.50	87K3520	84.10
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(83985)

78SR SERIES, HIGH EFFICIENCY, SINGLE OUTPUT, NON-ISOLATED DC/DC CONVERTERS



- Up to 95% efficiency—no costly heat sinks or fans required
- Wide 7.5–36VDC input voltage range
- Two package options: 3-pin vertical mount SIP, low profile, horizontal mount SIP
- No external input/output filter capacitors required
- -40 to +70°C full load operation
- Open frame design minimizes self-heating and pc-board footprint
- Low noise output for powering sensitive instrumentation



78SR series step-down switching regulators provide high-efficiency drop-in replacements for LM7805 and LM7812 applications. Their higher efficiency ensures significantly lower heat generation and provides increased run time in battery-powered applications, making these regulators ideal for low power "green" applications.

Mfg. Part No.	Input Voltage, Min.	Input Voltage, Max.	Output 1 (VDC) +	Output Current 1 (A)	Stock No.	Price Each 1-9
● 78SR-3.3/2-C	8	32	3.3	2	40M6585	13.93
● 78SRH-3.3/2-C	8	32	3.3	2	40M6587	13.93
● 78SR-5/2-C	8	32	5	2	40M6586	13.93
● 78SRH-5/2-C	8	32	5	2	40M6588	13.93
● 7803SR-C	7.5	36	3.3	0.5	87K6144	11.72
● 7803SRH-C	7.5	36	3.3	0.5	87K6145	11.72
● 7805SR-C	7.5	36	5	0.5	87K6146	11.72
● 7805SRH-C	7.5	36	5	0.5	87K6147	11.72
● 7812SR-C	15	36	12	0.4	87K6148	11.72
● 7812SRH-C	15	36	12	0.4	87K6149	11.72

(102087)

DC-TO-DC CONVERTERS

UEI15 SERIES ISOLATED, WIDE INPUT RANGE 15W DC/DC CONVERTERS



Just Added



- Small footprint, ideal for high current applications
- Industry standard 0.9" x 1.1" x 0.335" open frame package/ pinout
- 9-36 and 18-75 Vdc wide range inputs
- Double lead-free assembly and attachment
- 2250V basic isolation (Q48 models)
- Up to 15 W or greater total output power with overtemperature shutdown
- High efficiency synchronous rectifier forward topology
- Stable no-load operation with no required external components
- Usable -40 to 85°C temperature range (with derating)
- Extensive self-protection shut down features
- On/off control polarity: **suffix P** indicates positive, **suffix N** indicates negative

Featuring a full 15 watt or greater output in one square inch of board area, the **UEI series** isolated DC/DC converter family offers efficient regulated DC power for printed circuit board mounting. Meets UL 60950-1, CAN/CSA-C22.2 No. 60950-1, IEC60950-1, EN60950-1 safety approvals.

Mfg. Part No.	Input (V) Min.	Input (V) Max.	Output 1 (VDC) +	Output Cur. 1 (A)	Output Power (Max.)	Reg. Line (%)	Reg. Load (%)	Efficiency (%)	Stock No.	Price Each 1-9
● UEI15-033-Q12P-C	9	36	3.3	4.5	14.85	±0.05	±0.1	89	06P9408	32.60
● UEI15-033-Q48N-C	18	75	3.3	5	16.5	±0.2	±0.2	88	12N4054	30.47
● UEI15-050-Q12P-C	9	36	5	3	15	±0.05	±0.075	87	06P9409	32.60
● UEI15-050-Q48N-C	18	75	5	3	15	±0.05	±0.075	86	12N4056	30.47
● UEI15-120-Q12P-C	9	36	12	1.3	15.6	±0.05	±0.05	84	12N4059	32.60
● UEI15-120-Q48N-C	18	75	12	1.3	15.6	±0.05	±0.05	85	06P9410	30.47
● UEI15-150-Q12P-C	9	36	15	1.1	16.5	±0.05	±0.05	85	06P9411	33.69
● UEI15-150-Q48N-C	18	75	15	1.1	16.5	±0.05	±0.05	85	06P9412	31.54

* Please refer to the part number structure for additional ordering information and options. (133291)

UCE SERIES ISOLATED, HIGH-DENSITY, EIGHTH-BRICK 100W DC/DC CONVERTERS



Just Added



- Industry standard eighth-brick pinout/ package
- Outputs from 1.5V to 12V up to 100W
- Low profile 0.4" ht, 0.9" x 2.3" outline dimensions
- 36 to 75 Vdc input range (48V nominal)
- Fully isolated, 2250 Vdc (BASIC) insulation
- Outstanding thermal performance and derating
- Extensive self-protection and short circuit features with no output reverse conduction
- On/Off control, trim and sense functions
- Interleaved synchronous rectification yields high efficiency over 90%
- Fully protected against temperature and voltage limits
- **Suffix B** indicates baseplate installed

For efficient, fully isolated DC power in the smallest space, the **UCE series** open frame DC/DC converters fit in industry-standard "eighth brick" outline dimensions and mounting pins (on quarter-brick pinout). Meets UL/EN/IEC 60950-1 and CAN/CSA C22.2 No. 60950-1 safety approvals.

Mfg. Part No.*	Input (V) Min.	Input (V) Max.	Output 1 (VDC) +	Output Cur. 1 (A)	Output Power (Max.)	Reg. Line (%)	Reg. Load (%)	Efficiency (%)	Stock No.	Price Each 1-9
● UCE-1.5/20-D48NB-C	36	75	1.5	20	30	±0.15	±0.3	87	12N3993	67.35
● UCE-1.8/30-D48NB-C	36	75	1.8	30	54	±0.125	±0.25	88	12N3997	71.10
● UCE-3.3/15-D48NB-C	36	75	3.3	15	49.5	±0.125	±0.25	90	12N4009	67.35
● UCE-3.3/30-D48PB-C	36	75	3.3	30	99	±0.1	±0.2	91	12N4015	73.77
● UCE-12/4.2-D48NB-C	36	75	12	4.2	50.4	±0.125	±0.25	92	12N4001	67.35
● UCE-12/8.3-D48NB-C	36	75	12	8.3	99.6	±0.125	±0.25	90	12N4005	69.50

* Please refer to the part number structure for additional ordering information and options. (133288)

UCH SERIES ISOLATED, HALF-BRICK 2.5 — 15V SINGLE OUTPUT DC/DC CONVERTERS



Just Added



- Standard "half-brick" configuration
- Fully isolated, 2250Vdc
- Output voltages: 1.8 – 15 Volts
- Vin range: 36-75V or 18-36V
- Full 50-150 Watt output power
- Reliable SMT-on-pcb construction
- Input under and output overvoltage shutdown
- Output current limiting and short-circuit protection
- On/off, VOUT trim and sense functions

UCH series high efficiency, low noise and long-term reliability DC/DC converters available in the standard "half-brick" configuration (2.3" x 2.4" x 0.39"). Meets UL/EN60950-1 safety approvals (BASIC insulation).

Mfg. Part No.	Input (V) Min.	Input (V) Max.	Output 1 (VDC) +	Output Cur. 1 (A)	Output Power (Max.)	Reg. Line (%)	Reg. Load (%)	Efficiency (%)	Stock No.	Price Each 1-9
● UCH-3.3/10-D24PB-C	18	36	3.3	10	33	±0.2	±0.25	89	06P9393	73.23
● UCH-3.3/35-D24PB-C	18	36	3.3	35	115.5	±0.125	±0.25	89	06P9401	79.65
● UCH-5/20-D24PB-C	18	36	5	20	100	±0.125	±0.25	90	06P9405	79.65
● UCH-1.8/40-D48NB-C	36	75	1.8	40	72	±0.125	±0.25	87	06P9383	81.26
● UCH-2.5/40-D48NB-C	36	75	2.5	40	100	±0.1	±0.2	89	06P9391	81.26
● UCH-3.3/10-D48NB-C	36	75	3.3	10	33	±0.2	±0.25	89	06P9395	71.10
● UCH-3.3/15-D48NB-C	36	75	3.3	15	49.5	±0.2	±0.25	89	06P9397	74.31
● UCH-3.3/30-D48NB-C	36	75	3.3	30	99	±0.2	±0.25	90	06P9399	77.51
● UCH-5/10-D48NB-C	36	75	5	10	50	±0.125	±0.25	89	06P9403	74.31
● UCH-5/30-D48NB-C	36	75	5	30	150	±0.2	±0.25	91	06P9406	73.23
● UCH-12/12.5-D48NB-C	36	75	12	12.5	150	±0.125	±0.25	92	06P9385	83.39
● UCH-12/4.2-D48NB-C	36	75	12	4.2	50.4	±0.125	±0.25	90	06P9387	74.31
● UCH-15/6.7-D48NB-C	36	75	15	6.7	100.5	±0.125	±0.25	92	06P9389	83.39

* Please refer to the part number structure for additional ordering information and options. (133289)

UCQ SERIES ISOLATED, LOW-PROFILE, QUARTER BRICK, 8.3-40 AMP SINGLE OUTPUT DC/DC CONVERTERS



Just Added



- Standard quarter-brick package/pinout
- Low profile, 0.4" (10.2mm)
- 24V or 48V nominal input
- Outputs: 1.2V to 12V
- Interleaved synchronous-rectifier topology, offers high efficiency

- Outstanding thermal performance
- On/off control, trim & sense functions
- Fully isolated, 2250Vdc (BASIC)
- Output overvoltage protection
- Fully I/O protected; thermal shutdown

UCQ series ideal for applications requiring improved electrical and thermal performance. Besides safety testing to 60950-1, certifications for the **UCQ series** include application for EMC compliance (to FCC class B), qualification testing (including HALT) and CE marking.

Mfg. Part No.*	Input (V) Min.	Input (V) Max.	Output 1 (VDC) +	Output Cur. 1 (A)	Output Power (Max.)	Reg. Line (%)	Reg. Load (%)	Efficiency (%)	Stock No.	Price Each 1-9
● UCQ-2.5/40-D24PB-C	18	36	2.5	40	100	±0.125	±0.25	84	12N4037	79.65
● UCQ-3.3/35-D24PB-C	18	36	3.3	35	115.5	±0.125	±0.25	89	17M3114	99.29
● UCQ-5/20-D24PB-C	18	36	5	20	100	±0.125	±0.25	91	12N4045	73.23
● UCQ-1.2/30-D48NB-C	36	75	1.2	30	36	±0.125	±0.25	83	12N4017	74.84
● UCQ-1.5/25-D48NB-C	36	75	1.5	25	37.5	±0.125	±0.25	83	12N4021	74.84
● UCQ-1.5/40-D48NB-C	36	75	1.5	40	60	±0.125	±0.25	86	12N4024	68.96
● UCQ-1.8/30-D48NB-C	36	75	1.8	30	54	±0.125	±0.25	86	12N4027	74.84

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DC-TO-DC CONVERTERS

UCQ SERIES ISOLATED, LOW-PROFILE, QUARTER BRICK, 8.3-40 AMP SINGLE OUTPUT DC/DC CONVERTERS (CONT.)

Mfg. Part No.*	Input (V) Min.	Input (V) Max.	Output 1 (VDC) +	Output Cur. 1 (A)	Output Power (Max.)	Reg. Max. Line (%)	Reg. Max. Load (%)	Efficiency (%)	Stock No.	Price Each 1-9
● UCQ-2.5/30-D48NB-C	36	75	2.5	30	75	±0.2	±0.25	87	12N4031	74.84
● UCQ-3.3/20-D48NB-C	36	75	3.3	20	66	±0.125	±0.25	90	12N4039	67.89
● UCQ-3.3/30-D48NB-C	36	75	3.3	30	99	±0.2	±0.25	91	17M3108	71.10
● UCQ-12/8.3-D48NB-C	36	75	12	8.3	99.6	±0.2	±0.25	91	17M3104	71.10
● UCQ-5/20-D48PB-C	36	75	15	20	100	±0.125	±0.25	93	17M3118	73.77

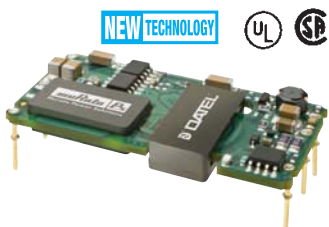
* Please refer to the part number structure for additional ordering information and options.

** All specifications are at nominal line voltage and full load, +25 deg.C, unless otherwise noted. See detailed specifications. Output capacitors are 1µF ceramic 10 µF electrolytic with no input caps. These caps are necessary for our test equipment and may not be needed for your application. (133290)

UEI30 SERIES, 30W ISOLATED, WIDE RANGE DC/DC CONVERTERS



- Small footprint, ideal for high current applications
- 0.92" x 1.92" x 0.35" open frame package
- Wide range input voltage 18-75VDC
- Double lead free assembly and attachment
- Isolation up to 2250VDC (basic)
- High efficiency synchronous rectifier forward topology
- Stable no-load operation with no required external components
- -40°C to 85°C temperature range with derating
- Extensive self protection shut down features
- Designed to meet UL60950-1, CSA-C22.2 No. 234, EN60950-1 safety approvals



UEI30 series features a full 30W output in a 1.8 square inches of board area. Also offers efficient regulated DC power for printed circuit board mounting. Applications include small instruments, computer-based systems, data communications equipment, remote sensor systems, vehicle and portable electronics. **N** in mfg. part no. indicates negative on/off control polarity; **P** indicates positive on/off control polarity.

Mfg. Part No.	Output 1 (VDC) +	Output Current 1 (A)	Total Power (W)	Efficiency (%)	Stock No.	Price Each 1-9
● UEI30-050-Q48N-C	5	6	30	89	59P3056	45.45
● UEI30-050-Q48P-C	5	6	30	89	59P3057	47.04

(142250)

UEI SERIES 50-60W ISOLATED, WIDE-RANGE DC/DC CONVERTERS



- Small footprint, ideal for high current applications
- Industry standard 1.55" x 2" x 0.4" open frame package and pinout
- 9-36 and 18-75Vdc wide range inputs
- Double lead-free assembly and attachment
- 2250V basic isolation (48V models)
- Up to 50-60W total output power with overtemperature shutdown
- High efficiency synchronous rectifier forward topology
- Stable no-load operation with no required external components



Featuring a full 50-60 Watt output in 3.2 square inches of board area, the UEI series isolated DC/DC converter family offers efficient regulated DC power for printed circuit board mounting. Extensive self-protection shut down features. Full power -40 to +70°C temperature range. Meets UL60950-1, CSA-C22.2 No. 234, EN60950-1 safety approvals. Ideal for battery-powered and telecom equipment.

Mfg. Part No.*	Input (V) Min.	Input (V) Max.	Output 1 (VDC) +	Output Cur. 1 (A)	Output Power (Max.)	Reg. Max. Line (%)	Reg. Max. Load (%)	Efficiency (%)	Stock No.	Price Each 1-9
● UEI-3.3/15-Q12PR-C	9	36	3.3	15	49.5	±0.05	±0.06	88	12N4047	67.89
● UEI-5/10-Q12PR-C	9	36	5	10	50	±0.1	±0.1	90	12N4051	67.89
● UEI-3.3/18-Q48NR-C	18	75	3.3	18	59.4	±0.075	±0.2	89	12N4048	63.62
● UEI-5/12-Q48NR-C	18	75	5	12	60	±0.1	±0.15	91	12N4052	63.62

* Please refer to the part number structure for additional ordering information and options. (133285)

LSS-T/10-W12 SERIES ADJUSTABLE OUTPUT 10A SIP-MOUNT DC/DC CONVERTER



Just Added



- Vertical SIP-mount small footprint
- Output from 0.591 to 5V up to 51W
- Ultra-wide 4.5 to 13.8 Vdc input range
- Outstanding thermal performance
- Over temperature and over current protection
- On/Off control
- High efficiency

LSS-T/10-W12 series is a miniature non-isolated Point-of-Load (POL) switching DC/DC power converter for embedded applications. The converter offers both tight regulation and high efficiency directly at the power usage site. Typically, no extra outside components are required. The module mounts vertically, occupying a tiny board footprint. Meets UL/IEC/EN60950-1 safety approvals.

Mfg. Part No.*	Input (V) Min.	Input (V) Max.	Output 1 (VDC) +	Output Cur. 1 (A)	Output Power (Max.)	Reg. Max. Line (%)	Reg. Max. Load (%)	Efficiency (%)	Stock No.	Price Each 1-9
● LSS-T/10-W12-C	4.5	13.8	6	10	60	±0.2	±1.4	93	06P9791	12.26

* All specifications are at nominal line voltage, Vout = 5V and full load, +25 °C unless otherwise noted. See detailed specifications. Output capacitors are 2 x 0.47 µF ceramic. Input cap is 22 µF. I/O caps are necessary for our test equipment and may not be needed for your application.

** Vin must be 2V or higher than Vout for 3.3 to 5V outputs. (133590)

DATEL® UQQ SERIES SINGLE OUTPUT DC/DC CONVERTERS



- Standard quarter-brick package/pinout in through-hole version
- Low cost; low profile, 0.43"(0.92mm)
- 9-36V or 18-75V wide range inputs
- Output current: 7 to 25 Amps
- Output voltages: 3.3, 5, 12, 15 or 24V
- Interleaved synchronous-rectifier topology: ultra high efficiency, no output reverse conduction
- Outstanding thermal performance
- On/off control, trim & sense functions
- Fully isolated, up to 2250Vdc (BASIC)
- Output overvoltage protection
- Fully I/O protected; thermal shutdown
- UL/EN/IEC60950 safety approvals



UQQ series employ an interleaved, synchronous-rectifier topology that exploits 100% of their duty cycle. They simultaneously achieve ultra-high efficiency (to 91%), tight line/load regulation, low noise, and quick step response. A state of the art, single-board, open-frame design with reduced component count, high efficiency, low-on-resistance FET's, and planar magnetics embedded in heavy-copper pc boards all contribute to impressive thermal derating. All UQQ quarter-bricks are designed to meet the BASIC-insulation requirements of UL/EN/IEC60950 and they will carry the CE mark. Ideal for applications requiring wide range input, improved electrical and thermal performance.

Mfg. Part No.	Input (V) Min.	Input (V) Max.	Output 1 (VDC) +	Output Cur. 1 (A)	Output Power (Max.)	Reg. Max. Line (%)	Reg. Max. Load (%)	Efficiency (%)	Stock No.	Price Each 1-9
● UQQ-3.3/25-Q12PB-C	9	36	3.3	25	82.5	±0.05	±0.075	88	17M3139	130.13
● UQQ-3.3/25-Q48PB-C	18	75	3.3	25	82.5	±0.05	±0.2	88.5	17M3143	127.92
● UQQ-5/17-Q12PB-C	9	36	5	17	85	±0.05	±0.06	90.5	17M3147	130.13
● UQQ-5/20-Q48PB-C	18	75	5	20	100	±0.05	±0.1	91	17M3151	127.92
● UQQ-12/8-Q12PB-C	9	36	12	8	96	±0.05	±0.05	89	17M3127	130.13
● UQQ-12/8-Q48PB-C	18	75	12	8	96	±0.05	±0.1	88.5	17M3131	125.72
● UQQ-15/7-Q12PB-C	9	36	15	7	105	±0.05	±0.1	90.5	40M2758	130.13

(102116)

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(148859)

DC-TO-DC CONVERTERS

LSM2 SERIES DOSA-SMT,
POL DC/DC CONVERTERS

Just Added

- Non-isolated Point-of-Load (POL) converter, ideal for distributed bus applications
- Optimized for CPU's, DSP's and programmable logic - FPGA's, ASIC's
- 30 Amps maximum output current
- User-selectable output voltage via trim resistor
- Input range nominal 12Vdc and 5Vdc
- Tracking feature supported
- High power conversion efficiency
- Over current and over temperature protection
- Designed for full safety and emission certification



LSM2 series DC/DC converters offer up to 30 Amps continuous output power with a user-selectable output of 0.8 to 3.6 Volts. 25 Amps output is available up to 5.0 Vout. This DOSA compatible SMT converter is ideal for high current low voltage needs of DSP and communications ICs.

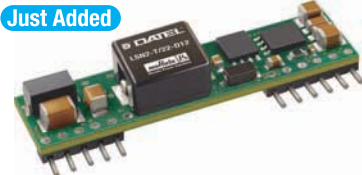
Mfg. Part No.	Input (V) Min.	Input (V) Max.	Output 1 (VDC) +	Output Cur. 1 (A)	Output Power (Max.)	Ripple/ Noise	Efficiency (%)	Stock No.	Price Each
LSM2-T/10-W3-C	2.4	5.5	3.3	10	33	58	96	87K4365	35.75
LSM2-T/10-W3G-C	2.4	5.5	3.3	10	33	58	96	87K4366	21.97
LSM2-T/16-W3-C	2.4	5.5	3.3	16	52.8	83	95	87K4373	37.13
LSM2-T/16-W3N-C	2.4	5.5	3.3	16	52.8	83	95	87K4375	37.13
LSM2-T/6-W3-C	2.4	5.5	5	6	19.8	20	94	87K4381	23.38
LSM2-T/6-W3N-C	2.4	5.5	5	6	19.8	20	94	87K4383	23.38
LSM2-T/30-D12-C	6	14	5	30	150	15	94	12N3779	26.10
LSM2-T/10-D12-C	8.3	13.2	5	10	50	62	96	87K4361	35.75
LSM2-T/10-D12N-C	8.3	13.2	5	10	50	62	96	87K4363	21.97
LSM2-T/16-D12-C	8.3	13.2	5	16	80	90	94	87K4369	37.13
LSM2-T/16-D12N-C	8.3	13.2	5	16	80	90	94	87K4371	37.13
LSM2-T/6-D12-C	8.3	13.2	5	6	30	30	93	87K4377	23.38
LSM2-T/6-D12N-C	8.3	13.2	5	6	30	30	93	87K4379	23.38

(133589)

LSN2 SERIES NON-ISOLATED,
DOSA-SIP, 6/10/16/30A
SELECTABLE OUTPUT DC/DC
CONVERTERS

Just Added

- User-selectable outputs: 0.75-5V (D12 models) or 0.75-3.3V (W3 models)
- 6, 10, 16 or 30A maximum output current
- Tracking feature supported
- Very high power conversion efficiency



These miniature point-of-load (POL) switching DC/DC converters are ideal regulation and supply elements for distributed power and intermediate bus architectures. LSN2 series can power CPU's, programmable logic and mixed-voltage systems with little heat and low noise. A typical application uses a master isolated 12 or 5Vdc supply and individual LSN2 converters for local 1.8 and 3.3Vdc supplies. All system isolation resides in the central supply, leaving lower cost POL regulation at the load.

Mfg. Part No.	Input (V) Min.	Input (V) Max.	Output 1 (VDC) +	Output Cur. 1 (A)	Output Power (Max.)	Ripple/ Noise	Efficiency (%)	Stock No.	Price Each
LSN2-T/10-W3-C	2.4	5.5	3.3	10	33	15mVp-p	95	87K4598	21.13
LSN2-T/10-W3N-C	2.4	5.5	3.3	10	33	15mVp-p	95	87K4600	21.13
LSN2-T/16-W3-C	2.4	5.5	3.3	16	52	25mVp-p	95	87K4606	22.82
LSN2-T/16-W3N-C	2.4	5.5	3.3	16	52	25mVp-p	95	87K4608	22.82
LSN2-T/6-W3-C	2.4	5.5	3.3	6	19.8	15mVp-p	94	87K4626	12.68
LSN2-T/6-W3N-C	2.4	5.5	3.3	6	19.8	15mVp-p	94	87K4628	12.68
LSN2-T/30-D12-C	6	14	5	30	150	50mVp-p	94	87K4618	26.10
LSN2-T/10-D12-C	8.3	14	5	10	50	30mVp-p	95	87K4594	21.13
LSN2-T/10-D12N-C	8.3	14	5	10	50	30mVp-p	95	87K4596	21.13
LSN2-T/16-D12-C	8.3	14	5	16	80	25mVp-p	94	87K4602	22.82
LSN2-T/16-D12N-C	8.3	14	5	16	80	25mVp-p	94	87K4604	22.82
LSN2-T/22-D12-C	8.3	14	5	22	112	35mVp-p	95	87K4611	27.89
LSN2-T/22-D12N-C	8.3	14	5	22	112	35mVp-p	95	87K4615	27.89
LSN2-T/6-D12-C	8.3	14	5	6	30	15mVp-p	93	87K4622	12.68
LSN2-T/6-D12N-C	8.3	14	5	6	30	15mVp-p	93	87K4624	12.68

(133589)



(148830)

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HPQ SERIES ISOLATED, HIGH POWER,
QUARTER BRICK DC/DC CONVERTERS

Just Added



- 3.3V DC fixed output up to 50 Amps
- Industry standard quarter brick 2.3" x 1.45" x 0.39" open frame package
- 36 to 75VDC wide range input
- 2250V basic isolation
- Double lead-free assembly and attachment
- Up to 165W total output power
- High efficiency synchronous rectifier topology
- Stable no-load operation with no required external components

HPQ series offers very high output current (up to 50 Amps) in an industry standard "quarter brick" package requiring no heat sink. The HPQ series delivers up to 165 Watts fixed voltage output for printed circuit board mount. Extensive self-protection, current limiting and shut down features. Operating temperature range -40 to +85° C. Meets UL/EN 60950-1, CSA-C22.2 No. 60950-1, safety approvals. Ideal for datacom and telecom systems.

Mfg. Part No.*	Input (V) Min.	Input (V) Max.	Output 1 (VDC) +	Output Cur. 1 (A)	Output Power (Max.)	Reg. Max. **	Efficiency (%)	Stock No.	Price Each
HPQ-3.3/50-D48N-C	36	75	3.3		165	±0.2	±0.2	12N3685	80.18

* Please refer to the part number structure for additional ordering information and options.

** All specifications are at nominal line voltage and full load, +25 deg.C, unless otherwise noted. See detailed specifications. Output capacitors are 1µF ceramic 10 µF electrolytic with no input caps. These caps are necessary for our test equipment and may not be needed for your application.

(133287)

HPH SERIES ISOLATED, LOW VOUT TO
70A, HALF-BRICK DC/DC CONVERTERS

Just Added



- 3.3V to 12V outputs at up to 70 Amps
- Input range: 36V-75V
- Open frame: 2.3" x 2.4" x 0.40"
- Industry-standard package/pinout
- Remote sense, Trim, On/Off control
- High efficiency: up to 91%
- Fully isolated, 2250Vdc (BASIC)
- Input undervoltage shutdown
- Output overvoltage protection
- Short circuit protection, thermal shutdown
- Suffix B indicates baseplate installed, offers full power with no airflow

Fully isolated HPH series of DC/DC converters offers users a practical solution for their low-voltage/high-current applications. With an input voltage range of 36 to 75 Volts, the HPH series delivers up to 70 amps of output current from a fully regulated 3.3V output. All devices meet IEC/UL/EN60950-1 safety standards and carry the CE mark (meet LVD requirements).

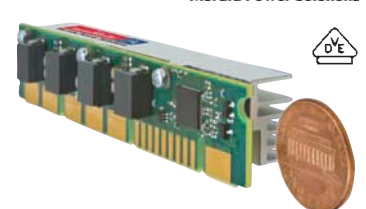
Mfg. Part No.*	Input (V) Min.	Input (V) Max.	Output 1 (VDC) +	Output Cur. 1 (A)	Output Power (Max.)	Reg. Max.	Efficiency (%)	Stock No.	Price Each
HPH-3.3/70-D48NB-C	36	75	3.3	70		±0.25	±0.25	16M8913	100.49
HPH-5/40-D48NB-C	36	75	5	40		±0.25	±0.25	16M8916	88.75
HPH-12/30-D48NB-C	36	75	12	30		±0.05	±0.1	12N3682	98.89

* Please refer to the full model number structure for additional ordering part numbers and options.

(133286)

VRM 11.0 LOW
PROFILE POWER
MODULE

Just Added



- Intel® VRM 11.0 compliant
- DAC programmable output voltage
- Power good output signal
- Differential remote sense
- Remote enable
- Supervisory functions: output overcurrent, Short circuit protection, overtemperature indicator, output current level indicator
- Tri-state output when disabled
- Dynamic VID capability
- EN/IEC60950-1 Safety Approval (CB Report)

VRM 11.0 series is designed to meet the fast load transients required by Intel® Xeon® processors and is fully compliant with the latest Intel® VRM 11.0 specifications. High efficiency of 84% at full load for reduced power dissipation simplifies system thermal management. Ideal for use in a wide variety of server applications. 150A models available in 1U, 1.5U, 2U form factors and 80A models available in 1U and 0.66U form factors; go online or call VDE approved.

Mfg. Part No.	Nom. Input (V)	In-put (V) Min.	In-put (V) Max.	Output Min. (V)	Output Max. (V)	Output Cur. (A)	Total Power (W)	Efficiency (%)	Stock No.	Price Each
VR110B080CA-1C	12	11.04	12.6	0.818	1.6	80	128	84	12N4077	52.85
VR110B150CU-1C	12	11.04	12.6	0.818	1.6	150	240	84	17M3198	56.08
VR102B150CU-3C	12	11.04	12.6	0.837	1.6	150	240	85.5	29M6785	56.08

(136299)

DC-TO-DC CONVERTERS

CC-E SERIES ULTRA COMPACT, 1.5W TO 25W SINGLE AND DUAL DC/DC CONVERTERS



TDK-Lambda
Innovating Reliable Power

- Compact footprint /low profile
- Through hole or SMT versions
- 5V, 12V, 24V & 48V inputs
- 3.3 to 30V* single, ±12 to 15V dual outputs
- Output voltage adjustment
- Input - output isolation
- 5 year warranty



CC-E series are ultra compact, open frame DC/DC converters. Self contained requires no external components. R indicates suitable for surface mount.

SPECIFICATIONS:

Nominal Output Voltage:	3.3	5V	12/15V	±12/15*
DC Input:	5V: 4.5-9.0V, 12V: 9-18V, 24V: 18-36V, 48V: 36-76V			
Line Regulation:	20 (40 CC15; 30 CC25)		40	80
Load Regulation:	40 (120 CC15; 200 CC25)		100	600
Output Ripple (typ./max.BW 50MHz):	40/120		30/120	
Operating Temp.- Convection:	-40 to 85°C, derates linearly to 40% load from 50°C to 85°C			
Operating Temp.- Forced Air:	-40°C to 85°C with 1m/s air full load			
Dimensions: (DIP Through Hole and SMD package) (SIP Through Hole only)	CC1R5: 0.650 x 0.654 x 0.335; CC3: 0.900 x 0.654 x 0.335; CC6: 0.900 x 0.831 x 0.335 CC10: 1.400 x 0.890 x 0.335; CC15: 1.500 x 1.264 x 0.295; CC25: 1.701 x 1.768 x 0.295 CC3 (SIP): 1.09 x 0.362 x 0.705			

SINGLE OUTPUT DC/DC CONVERTERS

Mfg. Part No.**	In-put (V) Min.	In-put (V) Max.	Out-put 1 (VDC) +	Out-put Cur. 1 (A)	Out-put Power Max.	Reg. (mV)		Efficiency (%)	Stk. No.	Price Each 1-9
						Line (%)	Load (%)			
● CC1R50503SRE	4.5	9	3.3	0.4	1.5	20	40	71	05M6909	9.60
● CC1R51203SFE	9	18	3.3	0.4	1.5	20	40	73	05M6916	9.60
● CC1R52403SFE	18	36	3.3	0.4	1.5	20	40	72	05M6924	9.60
● CC1R52403SRE	18	36	3.3	0.4	1.5	20	40	72	05M6925	9.60
● CC1R54803SFE	36	76	3.3	0.4	1.5	20	40	70	05M6932	9.60
● CC1R54803SRE	36	76	3.3	0.4	1.5	20	40	70	05M6933	9.60
● CC1R50505SFE	4.5	9	5	0.3	1.5	20	40	77	05M6910	9.60
● CC1R50505SRE	4.5	9	5	0.3	1.5	20	40	77	05M6911	9.60
● CC100505SFE	4.5	9	5	2	10	20	40	84	05M6942	26.00
● CC1R51205SFE	9	18	5	0.3	1.5	20	40	78	05M6918	9.60
● CC1R51205SRE	9	18	5	0.3	1.5	20	40	78	05M6919	9.60
● CC31205SFE	9	18	5	0.6	3	20	40	79	05M6990	11.10
● CC31205SRE	9	18	5	0.6	3	20	40	79	05M6991	11.10
● CC61205SFE	9	18	5	1.2	6	20	40	82	05M7022	15.80
● CC101205SFE	9	18	5	2	10	20	40	86	05M6950	26.00
● CC1R52405SFE	18	36	5	0.3	1.5	20	40	77	05M6926	9.60
● CC1R52405SRE	18	36	5	0.3	1.5	20	40	77	05M6927	9.60
● CC32405SFE	18	36	5	0.6	3	20	40	78	05M6998	11.10
● CC32405SRE	18	36	5	0.6	3	20	40	78	05M6999	11.10
● CC62405SFE	18	36	5	1.2	6	20	40	81	05M7030	15.80
● CC102405SFE	18	36	5	2	10	20	40	86	05M6958	26.00
● CC102405SRE	18	36	5	2	10	20	40	86	05M6959	26.00
● CC252405SFE	18	36	5	5	25	30	200	90	05M6978	51.00
● CC1R50512SFE	4.5	9	12	0.125	1.5	40	100	80	05M6914	9.60
● CC30512SFE	4.5	9	12	0.25	3	40	100	82	05M6986	11.10
● CC30512SRE	4.5	9	12	0.25	3	40	100	82	05M6987	11.10
● CC1R51212SFE	9	18	12	0.125	1.5	40	100	82	05M6922	9.60
● CC31212SFE	9	18	12	0.25	3	40	100	82	05M6994	11.10
● CC31212SRE	9	18	12	0.25	3	40	100	82	05M6995	11.10
● CC61212SFE	9	18	12	0.5	6	40	100	85	05M7026	15.80
● CC32412SFE	18	36	12	0.25	3	40	100	82	05M7002	11.10
● CC6-2412SF-E	18	36	12	0.5	6	40	100	87	04M7378	15.80
● CC102412SFE	18	36	12	1	10	40	100	87	05M6962	26.00
● CC34812SRE	36	76	12	0.25	3	40	100	81	05M7011	11.10
● CC104812SRE	36	76	12	1	10	40	100	88	05M6971	26.00

DUAL OUTPUT DC/DC CONVERTERS

Mfg. Part No.	In-put (V) Min.	In-put (V) Max.	Output 1 (VDC) +		Output 2 (VDC) -		Efficiency (%)	Stock No.	Price Each 1-9
			(VDC)	(A)	(VDC)	(A)			
● CC100512DFE	4.5	9	12	0.4	12	0.4	83	05M6944	26.00
● CC30512DFE	4.5	9	12	0.125	12	0.125	81	05M6984	11.10
● CC60512DFE	4.5	9	12	0.25	12	0.25	82	05M7016	15.80
● CC1R51212DFE	9	18	12	0.06	12	0.06	81	05M6920	9.60
● CC101212DFE	9	18	12	0.45	12	0.45	86	05M6952	26.00
● CC31212DFE	9	18	12	0.125	12	0.125	81	05M6992	11.10
● CC31212DRE	9	18	12	0.125	12	0.125	81	05M6993	11.10
● CC61212DFE	9	18	12	0.25	12	0.25	85	05M7024	15.80
● CC1R52412DFE	18	36	12	0.06	12	0.06	79	05M6928	9.60

▶ CONTINUED ▶

CC-E SERIES ULTRA COMPACT, 1.5W TO 25W SINGLE AND DUAL DC/DC CONVERTERS (CONT.)

Mfg. Part No.	In-put (V) Min.	In-put (V) Max.	Output 1 (VDC) +		Output 2 (VDC) -		Efficiency (%)	Stock No.	Price Each 1-9
			(VDC)	(A)	(VDC)	(A)			
● CC1R52412DRE	18	36	12	0.06	12	0.06	79	05M6929	9.60
● CC102412DFE	18	36	12	0.45	12	0.45	86	05M6960	26.00
● CC32412DFE	18	36	12	0.125	12	0.125	81	05M7000	11.10
● CC32412DRE	18	36	12	0.125	12	0.125	81	05M7001	11.10

* For 24V/30V output - connect across +Vout & -Vout and leave "common out" pin not connected.

**R indicates suitable for surface mount. Example suffix SRE.
(103036)

iAD AND iBD SERIES POINT OF LOAD CONVERTERS



TDK-Lambda
Innovating Reliable Power

Just Added



- Standard SIP footprint
- 6.0-14VDC input
- 0.8-5.5V outputs
- Through hole mounting
- Low 13.97mm and 12.7 mm profile
- Non isolated output



iAD and iBD series point of load converters feature high operating efficiency, which reduces system heating. Constant switching frequency for easier system filtering. Starts with a pre-biased output for support of complex digital systems. VDE approved, UL listed.

SPECIFICATIONS:	iAD	iBD
Ripple & Noise:	100 mV max pk-pk	125 mV max pk-pk
Operating Temperature:	-40°C to 125°C	-40°C to 105°C
Dimensions (LxWxH):	50.8 x 7.9 x 14"	25.4 x 8.51 x 12.7"

Mfg. Part No.	In-put (V) Min.	In-put (V) Max.	Out-put Voltage Range (V)	Out-put Cur. (A)	Out-put Power (W)	Reg. (mV)		Efficiency (%)	Stk. No.	Price Each
						Line	Load			
● iAD12016A008V000R	6	14	0.8-5.5	16	80	15	22	94	19P2240	28.00
● iBD12007A008V000R	6	14	0.8-5.5	7	35	0.2%	22	92	71P8729	23.25

(136319)

iQD SERIES QUARTER BRICK INTERMEDIATE BUS CONVERTERS



TDK-Lambda
Innovating Reliable Power

- Standard quarter brick footprint
- 42-53VDC input
- 12V 27A nominal outputs
- Through hole mounting
- Low 9.65mm profile
- 2250VDC basic isolation



iQD series features a high operating efficiency 95%, which reduces system heating. Constant switching frequency for easier system filtering. Nominal 12V output is ideal for non-isolated point of load converters.

SPECIFICATIONS:	
Ripple & Noise: *	200 mV max pk-pk, 20 MHz BW
Operating Temperature:	-40°C to 120°C
Dimensions:	36.83W x 57.91L x 9.65H mm

Mfg. Part No.	In-put (V) Min.	In-put (V) Max.	Out-put 1 (VDC) +	Out-put Cur. 1 (A)	Out-put Power (Max.)	Reg. (mV)		Efficiency (%)	Stock No.	Price Each 1-99
						Line	Load			
● IQD48025A120V001R	42	53	12	27	300	2700	800	95	60M3552	97.80

* Measured across one 22µF ceramic capacitor
(102120)



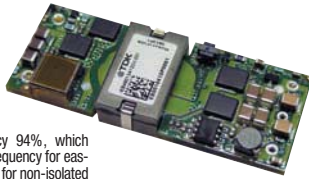
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DC-TO-DC CONVERTERS

iEB SERIES EIGHTH BRICK INTERMEDIATE BUS CONVERTERS


TDK-Lambda
Innovating Reliable Power


- Standard eighth brick footprint
- 42-56VDC input
- 12V 13.5A nominal output
- Through hole mounting
- Low 8.5mm profile
- 2250VDC basic isolation

iEB series features high operating efficiency 94%, which reduces system heating. Constant switching frequency for easier system filtering. Nominal 12V output is ideal for non-isolated point of load converters.

SPECIFICATIONS:

Ripple & Noise: *	200 mV max pk-pk, 20 MHz BW
Operating Temperature:	-40°C to 120°C
Dimensions:	22.86W x 58.42L x 8.5H mm

Mfg. Part No.	In-put (V) Min.	In-put (V) Max.	Out-put 1 (VDC) +	Out-put Cur. 1 (A)	Out-put Power (Max.)	Reg. (mV)		Effi-ciency (%)	Stk. No.	Price Each
						Line	Load			
• IEB48013A120V-001-R	42	56	12	13.5	150	3500	750	94	51M2876	71.59

* Measured across one 0.1µF, and 2x22µF ceramic capacitors (102118)

iQE SERIES QUARTER BRICK CONVERTER


TDK-Lambda
Innovating Reliable Power


- Standard quarter brick footprint
- 18-36VDC input
- 3.3V 30A - 15V 7A nominal outputs
- Through hole mounting
- Low 10.41mm profile
- 1500VDC basic isolation

iQE series features a high operating efficiency greater than 90%, which reduces system heating. Constant switching frequency for easier system filtering. Low component count for higher reliability.

SPECIFICATIONS:

Nominal Output Voltage:	3.3	5	8	12	15
Ripple & Noise: *	150	150	150	150	150
Operating Temperature:	-40°C to 125°C				
Dimensions:	36.8W x 57.9L x 10.41H mm				

Mfg. Part No.	In-put (V) Min.	In-put (V) Max.	Out-put 1 (VDC) +	Out-put Cur. 1 (A)	Out-put Power (Max.)	Reg. (mV)		Effi-ciency (%)	Stock No.	Price Each
						Line	Load			
• IQE24030A033V001R	18	36	3.3	30	99	10	10	90.5	60M3557	127.14
• IQE24024A050V001R	18	36	5	24	120	15	30	90	60M3556	127.14
• IQE24012A080V001R	18	36	8	12	96	25	25	92	60M3555	127.14
• IQE24009A120V001R	18	36	12	8.75	105	30	30	88	60M3554	127.14
• IQE24007A150V001R	18	36	15	7	105	30	30	90	60M3553	127.14

* Measured across one 22µF, and one 0.1µF ceramic capacitor (102148)

iQB SERIES QUARTER BRICK CONVERTER


TDK-Lambda
Innovating Reliable Power


- Standard quarter brick footprint
- 18-36, 36-75VDC inputs
- 1.2V 25A, 12V 12.5A nominal outputs
- Through hole mounting
- Low 8.81mm profile
- 1500VDC basic isolation

iQB series features high operating efficiency up to 92%, which reduces system heating. Constant switching frequency for easier system filtering. Low component count for higher reliability.

SPECIFICATIONS:

Nominal Output Voltage:	1.2	1.5	1.8	2.5	3.3	5	12
Ripple & Noise: *	75 mV max pk-pk, 20 MHz BW	100 mV max pk-pk, 20 MHz BW				125 mV max pk-pk, 20 MHz BW	150-250 mV max pk-pk, 20 MHz BW
Operating Temperature:	-40°C to 120°C						
Dimensions:	36.8W x 57.9L x 8.81H mm						

Mfg. Part No.	In-put (V) Min.	In-put (V) Max.	Out-put 1 (VDC) +	Out-put Cur. 1 (A)	Out-put Power (Max.)	Reg. (mV)		Effi-ciency (%)	Stk. No.	Price Each
						Line	Load			
• IQB48025A012V001R	36	75	1.2	25	30	5	7	78	60M3547	85.58
• IQB48025A015V001R	36	75	1.5	25	37.5	5	7	82	60M3548	85.58
• IQB48015A018V001R	36	75	1.8	15	27	5	7	85	60M3543	85.58
• IQB48025A018V001R	36	75	1.8	25	45	5	7	84	60M3549	85.58

➔ CONTINUED ➔

iQB SERIES QUARTER BRICK CONVERTER (CONT.)

Mfg. Part No.	In-put (V) Min.	In-put (V) Max.	Out-put 1 (VDC) +	Out-put Cur. 1 (A)	Out-put Power (Max.)	Reg. (mV)		Effi-ciency (%)	Stk. No.	Price Each
						Line	Load			
• IQB48010A025V001R	36	75	2.5	10	25	5	7	87	60M3540	85.58
• IQB48020A025V001R	36	75	2.5	20	50	5	7	86	60M3545	85.58
• IQB48025A025V001R	36	75	2.5	25	62.5	5	7	85	60M3550	85.58
• IQB48010A033V001R	36	75	3.3	10	33	5	7	90	60M3541	85.58
• IQB24015A033V001R†	18	36	3.3	15	49.5	5	7	89	60M3536	85.58
• IQB48020A033V001R	36	75	3.3	20	66	5	7	89	60M3546	85.58
• IQB48025A033V001R	36	75	3.3	25	82.5	5	7	88	60M3551	85.58
• IQB48008A050V001R	36	75	5	8	40	10	10	90	60M3538	85.58
• IQB48015A050V001R	36	75	5	15	75	10	10	90	60M3544	85.58
• IQB48004A120V001R	36	75	12	4.17	50	24	24	91	60M3537	85.58
• IQB48008A120V001R	36	75	12	8.33	100	24	24	90	60M3539	85.58
• IQB48012A120V001R	36	75	12	12.5	150	24	24	92	60M3542	97.80

* Measured across one 1.0µF, and one 10µF tantalum capacitor

† 24V nominal input (102119)

iEA SERIES EIGHTH BRICK DC/DC CONVERTERS


TDK-Lambda
Innovating Reliable Power


- Standard eighth brick footprint
- 36-75VDC input
- 1.2V 25A - 12V 6.5A nominal output
- Through hole mounting
- Low 8.8mm profile
- 1500VDC basic isolation

iEA series features high operating efficiency up to 91%, which reduces system heating. Constant switching frequency for easier system filtering. Open frame design for better thermal performance.

SPECIFICATIONS:

Nominal Output Voltage:	1.2	1.5	1.8	2.5	3.3	5	12
Ripple & Noise: *	100 mV max pk-pk, 20 MHz BW					125 mV max pk-pk, 20 MHz BW	200 mV max pk-pk, 20 MHz BW
Operating Temperature:	-40°C to 125°C						
Dimensions:	22.9W x 58.4L x 8.8H mm						

Mfg. Part No.	In-put (V) Min.	In-put (V) Max.	Out-put 1 (VDC) +	Out-put Cur. 1 (A)	Out-put Power (Max.)	Reg. (mV)		Effi-ciency (%)	Stk. No.	Price Each
						Line	Load			
• IEA48025A012V-001-R	36	75	1.2	25	30	5	5	78	51M2872	70.20
• IEA48025A015V-001-R	36	75	1.5	25	37.5	5	5	81	51M2873	70.20
• IEA48025A018V-001-R	36	75	1.8	25	45	5	5	83	51M2874	70.20
• IEA48025A025V-001-R	36	75	2.5	25	62.5	5	5	86	51M2875	70.20
• IEA48020A033V-001-R	36	75	3.3	20	66	7	8	90	51M2871	70.20
• IEA48015A050V-001-R	36	75	5	15	75	10	10	90	51M2870	70.20
• IEA48007A120V-001-R	36	75	12	6.5	78	24	24	91	51M2869	70.20

* Measured across one 1.0µF, and one 10µF tantalum capacitor (102117)

PX SERIES SINGLE, DUAL AND TRIPLE OUTPUT DC-DC CONVERTERS


TDK-Lambda
Innovating Reliable Power


PXD

PXE

PXF

- Industry standard footprints
- Six-sided shielding
- Agency approved
- 12V, 24V and 48V inputs

10W, PXD SERIES DIMENSIONS (L x W x H): 2 x 1 x 0.4"

Mfg. Part No.	Input (V) Min.	Input (V) Max.	Output 1 (VDC) +		Output 2 (VDC) -		Output 3 (VDC)		Stock No.	Price Each
			(V)	(A)	(V)	(A)	(V)	(A)		
• PXD1024WS05	9	36	5	2	...	...	...	...	26M8306	55.00
• PXD1024WS12	9	36	12	0.83	...	...	...	...	71K9629	55.00
• PXD1024WD12	9	36	12	+0.416	12	-0.416	...	...	71K9628	58.00

➔ CONTINUED ➔

DC-TO-DC CONVERTERS

PX SERIES SINGLE, DUAL AND TRIPLE OUTPUT DC-DC CONVERTERS (CONT.)

20W, PXE SERIES DIMENSIONS (L x W x H): 2 x 1.6 x 0.4"

Mfg. Part No.	Input (V) Min.	Input (V) Max.	Output 1 (VDC) + (V) (A)	Output 2 (VDC) - (V) (A)	Output 3 (VDC) (V) (A)	Stock No.	Price Each 1-9
● PXE2024WS05	9	36	5 4	...	...	73J2122	67.00
● PXE2024WS12	9	36	12 1.67	...	...	23K1736	67.00
● PXE2024WD12	9	36	12 +0.833	12 -0.833	...	36J9943	76.00

30W, PXE SERIES DIMENSIONS (L x W x H): 2 x 1.6 x 0.4"

● PXE3012S05	9	18	5 6	...	...	71K9632	85.00
● PXE3012S12	9	18	12 2.5	...	...	73K4037	85.00
● PXE3012D12	9	18	12 +1.25	12 -1.250	...	71K9631	93.00
● PXE3024S05	18	36	5 6	...	...	71K9634	85.00
● PXE3024S12	18	36	12 2.5	...	...	73J2135	85.00
● PXE3024D12	18	36	12 +0.125	12 -1.250	...	10M5243	93.00

40W, PXF SERIES DIMENSIONS (L x W x H): 2 x 2 x 0.4"

● PXF4012S05	9	18	5 8	...	...	71K9636	96.00
● PXF4012S12	9	18	12 3.333	...	...	71K9637	96.00
● PXF4012D12	9	18	12 +1.8	12 -1.8	...	71K9635	96.00
● PXF4012T0512	9	18	5 6	+12 +0.400	-12 -0.400	71K9638	116.00
● PXF4024S05	18	36	5 8	...	...	71K9639	96.00
● PXF4024S12	18	36	12 3.333	...	...	73K4038	96.00
● PXF4024D12	18	36	12 +1.8	12 -1.8	...	41J2217	96.00
● PXF4024T0512	18	36	5 6	+12 +0.400	-12 -0.400	71K9640	116.00

(84192)

PAH SERIES HALF-BRICK DC-TO-DC CONVERTERS (50-200W)

TDK-Lambda
Innovating Reliable Power

- Industry-Standard Footprints and Pin-Outs
- High Efficiency
- Single Output
- Zero Preload Current
- Level B EMI with External Filtering
- Remote On/Off



Input Voltage Range: 36-76VDC. Dimensions: 2.8W x 0.5H x 2.4"D. UL recognized, CSA certified, CE compliant, VDE approved. 2-year warranty.

Mfg. Part No.	Output 1 (VDC) +	Output Current 1 (A)	Output Power (W)	Stock No.	Price Each 1-9
● PAH50S48-5/V	5	10	50	71K9038	97.89
● PAH50S48-12/V	12	4.2	50.4	73K1284	97.89
● PAH50S48-15/V	15	3.4	51	71K9036	97.89
● PAH50S48-24/V	24	2.1	50.4	71K9037	97.89
● PAH50S48-28/V	28	1.8	50.4	31C9764	97.89
● PAH75S485/V	5	15	75	18C0301	115.23
● PAH75S48-12/V	12	6.3	75.6	71K9039	115.23
● PAH75S48-15/V	15	5	75	31C9766	115.23
● PAH75S48-24	24	3.2	76.8	99B2289	115.23
● PAH75S48-28/V	28	2.7	75.6	71K9040	115.23
● PAH100S48-5/V	5	20	100	71K9032	132.75
● PAH100S48-12/V	12	8.4	100.8	71K9030	132.75
● PAH100S48-15/V	15	6.7	100.5	31C9751	132.75
● PAH100S48-24/V	24	4.2	100.8	71K9031	132.75
● PAH100S48-28/V	28	3.6	100.8	31C9752	132.75
● PAH150S485/V	5	30	150	18C0290	148.68
● PAH150S48-12/V	12	4.2	150	71K9033	148.68
● PAH150S48-15/V	15	10	150	72K7291	148.68
● PAH150S48-28/V	28	5.4	150	74K8493	148.68
● PAH200S48-12/V	12	16.7	200.4	72K7292	161.07
● PAH200S48-15/V	15	13.4	201	71K9034	161.07
● PAH200S48-24/V	24	8.4	201.6	71K9035	161.07
● PAH200S48-28/V	28	7.2	201.6	31C9760	161.07

(57870)

Expert technical support

Chat online to our team of engineers, or connect to them through your representative.

(148838)

PAF SERIES FULL BRICK DC-DC CONVERTERS

TDK-Lambda
Innovating Reliable Power

- 12V Output for Driving Non-Isolated Converters
- Safety Approved
- Full Power at 100°C Baseplate
- Opto Isolated Remote on/off
- Wide Adjustable Output Range



Just Added

PAF500F2412/T

Mfg. Part No.	Input Voltage, Min.	Input Voltage, Max.	Output 1 (VDC) +	Output Current 1 (A)	Output Power (W)	Stock No.	Price Each 1-9
● PAF500F2412/T	19	36	12	42	504	01H0853	275.52
● PAF500F2428/T	18	36	28	18	504	01H0854	275.52
● PAF500F4812/T	36	76	12	42	504	01H0855	275.52
● PAF500F4828/T	36	76	28	18	504	01H0856	275.52
● PAF600F2412/T	20	36	12	50	600	01H0857	308.32
● PAF600F2428/T	19	36	28	21.5	602	74K8491	308.32
● PAF600F4812/T	36	76	12	50	600	01H0859	308.32
● PAF600F4828/T	36	76	28	21.5	602	74K8492	308.32
● PAF600F280-28/T	200	400	28	21.5	602	83K4070	262.40

(73433)

TERMINAL BLOCKS WITH DC/DC CONVERTERS

Just Added



- End plate 859-525 included and attached
- Mounting on DIN 35 rail



859 Series



789 Series

DC-DC Converters are DIN-rail mount, and feature the CAGE CLAMP® spring pressure wiring technology for conductors 28 - 14 AWG. Marking system also available; go online or call.

859 SERIES, 6mm WIDE HOUSING

Mfg. Part No.	Input (V) Min.	Input (V) Max.	Output (VDC)	Output Cur. (A)	Power Rating (W)	Stock No.	Price Each 1-24
859-801	10	30	5	0.5	2.5	29K5536	85.30
859-802	15	30	10	0.5	5	29K5537	120.65
859-804	8	16	24	0.25	6	29K5538	106.76
859-805	15	30	12	0.5	6	29K5539	130.27

789 SERIES

789-851	19.2	28.8	5	1.5	7.5	99M1224	130.93
789-852	19.2	28.8	12	1.5	18	99M1225	123.05
789-853	8	16	24	0.35	8.4	96K5465	125.21

(138561)

IA SERIES 1 WATT DUAL OUTPUT DC/DC CONVERTERS



- SIP package
- 1000VDC isolation
- Industry standard pinout
- Short circuit protection



SPECIFICATIONS:

Input Voltage (Nom. ±10%):	5VDC, 12VDC or 24VDC Models
Line Regulation:	1.2%/1% ΔVin
Load Regulation:	±10%, 20-100% Load Change (3.3V Models ±20%)
Isolation Voltage:	1000VDC Input to Output
Ripple & Noise:	60mV pk-pk, 20MHz BW
MTBF:	>2Mhrs. to MIL-STD-217F
Operating Temperature:	-40°C to +85°C
Dimensions:	0.76W x 0.4H x 0.24"L

➔ CONTINUED ➔

DC-TO-DC CONVERTERS

IA SERIES 1 WATT DUAL OUTPUT DC/DC CONVERTERS (CONT.)

Mfg. Part No.	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Efficiency Typical (%)	Stock No.	Price Each
● IA0503S	5	±3.3	±151	75	88M0691	6.50
● IA0505S	5	±5	±100	75	88M0692	6.50
● IA0509S	5	±9	±55	75	88M0693	6.50
● IA0512S	5	±12	±42	75	88M0694	6.50
● IA0515S	5	±15	±33	75	88M0695	6.50
● IA0524S	5	±24	±21	75	88M0696	6.50
● IA1203S	12	±3.3	±151	75	88M0697	6.50
● IA1205S	12	±5	±100	75	88M0698	6.50
● IA1209S	12	±9	±55	75	88M0699	6.50
● IA1212S	12	±12	±42	75	88M0700	6.50
● IA1215S	12	±15	±33	75	88M0701	6.50
● IA1224S	12	±24	±21	75	88M0702	6.50
● IA2403S	24	±3.3	±151	75	88M0703	6.50
● IA2405S	24	±5	±100	75	88M0704	6.50
● IA2409S	24	±9	±55	75	88M0705	6.50
● IA2412S	24	±12	±42	75	88M0706	6.50
● IA2415S	24	±15	±33	75	88M0707	6.50
● IA2424S	24	±24	±21	75	88M0708	6.50

(108587)

IE SERIES 1 WATT SINGLE OUTPUT DC/DC CONVERTERS

- 4-Pin SIP package
- 1000VDC isolation
- Industry standard pinout
- Short circuit protection



SPECIFICATIONS:

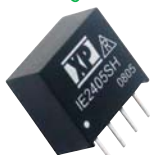
Input Voltage (Nom. ±10%):	5VDC, 12VDC or 24VDC Models
Line Regulation:	1.2%/1% ΔVin
Load Regulation:	±10%, 20-100% Load Change (3.3V Models ±20%)
Isolation Voltage:	1000VDC Input to Output
Ripple & Noise:	60mV pk-pk, 20MHz BW
MTBF:	>2Mhrs.
Operating Temperature:	-40°C to +85°C
Dimensions:	0.46W x 0.38H x 0.24"L

Mfg. Part No.	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	No Load Input Current (mA)	Efficiency (%)	Stock No.	Price Each
● IE0503S	5	3.3	300	25	72	88M0709	6.50
● IE0505S	5	5	200	25	75	88M0711	6.50
● IE0509S	5	9	111	25	77	88M0713	6.50
● IE0512S	5	12	84	25	78	88M0715	6.50
● IE0515S	5	15	66	25	78	88M0717	6.50
● IE0524S	5	24	42	25	78	88M0719	6.50
● IE1203S	12	3.3	300	16	72	88M0721	6.50
● IE1205S	12	5	200	16	75	88M0723	6.50
● IE1209S	12	9	111	16	77	88M0725	6.50
● IE1212S	12	12	84	16	78	88M0727	6.50
● IE1215S	12	15	66	16	78	88M0729	6.50
● IE1224S	12	24	42	16	78	88M0731	6.50
● IE2403S	24	3.3	300	10	72	88M0733	6.50
● IE2405S	24	5	200	10	75	88M0735	6.50
● IE2409S	24	9	111	10	77	88M0737	6.50
● IE2412S	24	12	84	10	78	88M0739	6.50
● IE2415S	24	15	66	10	78	88M0741	6.50
● IE2424S	24	24	42	10	78	88M0743	6.50

(108584)

IE-H SERIES 1 WATT SINGLE OUTPUT DC/DC CONVERTERS

- 4-Pin SIP package
- 3000VDC isolation
- Industry standard pinout
- Short circuit protection



SPECIFICATIONS:

Input Voltage (Nom. ±10%):	5VDC, 12VDC or 24VDC Models
Line Regulation:	1.2%/1% ΔVin

➔ CONTINUED ➔

IE-H SERIES 1 WATT SINGLE OUTPUT DC/DC CONVERTERS (CONT.)

SPECIFICATIONS:	
Load Regulation:	±10%, 20-100% Load Change (3.3V Models ±20%)
Isolation Voltage:	3000VDC Input to Output
Ripple & Noise:	60mV pk-pk, 20MHz BW
MTBF:	>2Mhrs.
Operating Temperature:	-40°C to +85°C
Dimensions:	0.46W x 0.38H x 0.24"L

Mfg. Part No.	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	No Load Input Current (mA)	Efficiency (%)	Stock No.	Price Each
● IE0503SH	5	3.3	300	25	72	88M0710	7.90
● IE0505SH	5	5	200	25	75	88M0712	7.90
● IE0509SH	5	9	111	25	77	88M0714	7.90
● IE0512SH	5	12	84	25	78	88M0716	7.90
● IE0515SH	5	15	66	25	78	88M0718	7.90
● IE0524SH	5	24	42	25	78	88M0720	7.90
● IE1203SH	12	3.3	300	16	72	88M0722	7.90
● IE1205SH	12	5	200	16	75	88M0724	7.90
● IE1209SH	12	9	111	16	77	88M0726	7.90
● IE1212SH	12	12	84	16	78	88M0728	7.90
● IE1215SH	12	15	66	16	78	88M0730	7.90
● IE1224SH	12	24	42	16	78	88M0732	7.90
● IE2403SH	24	3.3	300	10	72	88M0734	7.90
● IE2405SH	24	5	200	10	75	88M0736	7.90
● IE2409SH	24	9	111	10	77	88M0738	7.90
● IE2412SH	24	12	84	10	78	88M0740	7.90
● IE2415SH	24	15	66	10	78	88M0742	7.90
● IE2424SH	24	24	42	10	78	88M0744	7.90

(108586)

IV SERIES 1 WATT SINGLE OUTPUT DC/DC CONVERTERS

- SIP package
- 3000VDC isolation
- Industry standard pinout
- Short circuit protection



SPECIFICATIONS:

Input Voltage (Nom. ±10%):	5VDC, 12VDC or 24VDC Models
Line Regulation:	1.2%/1% ΔVin
Load Regulation:	±10%, 20-100% Load Change (3.3V Models ±20%)
Isolation Voltage:	3000VDC Input to Output
Ripple & Noise:	75mV pk-pk, 20MHz BW
MTBF:	>2.1Mhrs.
Operating Temperature:	-40°C to +85°C
Dimensions:	0.76W x 0.39H x 0.24"L

Mfg. Part No.	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	No Load Input Current (mA)	Efficiency (%)	Stock No.	Price Each
● IV0503SA	5	3.3	300	30	75	88M0805	7.90
● IV0505SA	5	5	200	30	78	88M0806	7.90
● IV0509SA	5	9	112	30	75	88M0807	7.90
● IV0512SA	5	12	84	30	76	88M0808	7.90
● IV0515SA	5	15	66	30	76	96K4994	7.90
● IV0524SA	5	24	42	30	72	88M0809	7.90
● IV1203SA	12	3.3	300	20	74	88M0810	7.90
● IV1205SA	12	5	200	20	74	88M0811	7.90
● IV1209SA	12	9	112	20	75	88M0812	7.90
● IV1212SA	12	12	84	20	77	88M0813	7.90
● IV1215SA	12	15	66	20	78	88M0814	7.90
● IV1224SA	12	24	42	20	75	88M0815	7.90
● IV2403SA	24	3.3	300	10	75	88M0816	7.90
● IV2405SA	24	5	200	10	77	88M0817	7.90
● IV2409SA	24	9	112	10	75	88M0818	7.90
● IV2412SA	24	12	84	10	78	88M0819	7.90
● IV2415SA	24	15	66	10	78	14M7872	7.90
● IV2424SA	24	24	42	10	78	88M0820	7.90

(108591)

DC-TO-DC CONVERTERS

IH SERIES 2 WATT
DUAL OUTPUT DC/DC
CONVERTERS

- SIP package
- 1000VDC isolation
- Industry standard pinout
- Short circuit protection

SPECIFICATIONS:

Input Voltage (Nom. $\pm 10\%$):	5VDC, 12VDC or 24VDC Models
Line Regulation:	1.2%/1% ΔV_{in}
Load Regulation:	$\pm 10\%$, 20-100% Load Change (3.3V Models $\pm 20\%$)
Isolation Voltage:	1000VDC Input to Output
Ripple & Noise:	60mV pk-pk
MTBF:	>1Mhrs.
Operating Temperature:	-40°C to +85°C
Dimensions:	0.78W x 0.4H x 0.3"L

Mfg. Part No.	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	No Load Input Current (mA)	Efficiency (%)	Stock No.	Price Each 1-4
● IH0503S	5	± 3.3	± 200	30	65	88M0745	9.00
● IH0505S	5	± 5	± 200	30	72	88M0746	9.00
● IH0509S	5	± 9	± 111	30	77	88M0747	9.00
● IH0512S	5	± 12	± 84	30	78	88M0748	9.00
● IH0515S	5	± 15	± 66	30	80	88M0749	9.00
● IH0524S	5	± 24	± 42	30	80	88M0750	9.00
● IH1203S	12	± 3.3	± 200	20	67	88M0751	9.00
● IH1205S	12	± 5	± 200	20	75	88M0752	9.00
● IH1209S	12	± 9	± 111	20	77	88M0753	9.00
● IH1212S	12	± 12	± 84	20	82	88M0754	9.00
● IH1215S	12	± 15	± 66	20	82	88M0755	9.00
● IH1224S	12	± 24	± 42	20	82	88M0756	9.00
● IH2403S	24	± 3.3	± 200	10	68	88M0757	9.00
● IH2405S	24	± 5	± 200	10	75	88M0758	9.00
● IH2409S	24	± 9	± 111	10	80	88M0759	9.00
● IH2412S	24	± 12	± 84	10	82	88M0760	9.00
● IH2415S	24	± 15	± 66	10	82	88M0761	9.00
● IH2424S	24	± 24	± 42	10	82	88M0762	9.00

(108596)

IL SERIES 2 WATT
SINGLE OUTPUT DC/DC
CONVERTERS

- 4-Pin SIP package
- 1000VDC isolation
- Industry standard pinout
- Short circuit protection

SPECIFICATIONS:

Input Voltage (Nom. $\pm 10\%$):	5VDC, 12VDC or 24VDC Models
Line Regulation:	1.2%/1% ΔV_{in}
Load Regulation:	$\pm 10\%$, 20-100% Load Change (3.3V Models $\pm 20\%$)
Isolation Voltage:	1000VDC Input to Output
Ripple & Noise:	60mV pk-pk, 20MHz BW
MTBF:	>2Mhrs.
Operating Temperature:	-40°C to +85°C
Dimensions:	0.46W x 0.4H x 0.3"L

Mfg. Part No.	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	No Load Input Current (mA)	Efficiency (%)	Stock No.	Price Each 1-4
● IL0503S	5	3.3	400	35	71	88M0763	10.00
● IL0505S	5	5	400	35	77	88M0764	10.00
● IL0509S	5	9	222	35	80	88M0765	10.00
● IL0512S	5	12	168	35	82	88M0766	10.00
● IL0515S	5	15	132	35	82	88M0767	10.00
● IL0524S	5	24	84	35	82	88M0768	10.00
● IL1203S	12	3.3	400	20	72	88M0769	10.00
● IL1205S	12	5	400	20	78	88M0770	10.00
● IL1209S	12	9	222	20	82	88M0771	10.00
● IL1212S	12	12	168	20	84	88M0772	10.00
● IL1215S	12	15	132	20	84	88M0773	10.00
● IL1224S	12	24	84	25	82	88M0774	10.00
● IL2403S	24	3.3	400	10	74	88M0775	10.00
● IL2405S	24	5	400	10	80	88M0776	10.00
● IL2409S	24	9	222	10	84	88M0777	10.00

▶ CONTINUED ▶

IL SERIES 2 WATT SINGLE OUTPUT DC/DC CONVERTERS (CONT.)

Mfg. Part No.	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	No Load Input Current (mA)	Efficiency (%)	Stock No.	Price Each 1-4
● IL2412S	24	12	168	10	84	88M0778	10.00
● IL2415S	24	15	132	10	84	88M0779	10.00
● IL2424S	24	24	84	10	84	88M0780	10.00

(108595)

IU SERIES 2 WATT
SINGLE OUTPUT DC/DC
CONVERTERS

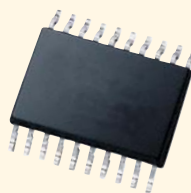
- Regulated single output
- Wide 2:1 input range
- SIP package
- Non-conductive plastic case
- 1000VDC isolation
- Continuous short circuit protection
- Industry standard pinout

SPECIFICATIONS:

Input Voltage Range:	5VDC (4.5 - 9.0VDC) 12VDC (9 - 18VDC) 24VDC (18 - 36VDC) 48VDC (36 - 72VDC)
Line Regulation:	$\pm 0.5\%$
Load Regulation:	$\pm 1\%$ for 25-100% Load Change
Isolation Voltage:	1000VDC Input to Output
Ripple & Noise:	80mV pk-pk, 20MHz BW
MTBF:	>2.7Mhrs. to MIL-STD-217F
Operating Temperature:	-40°C to +85°C
Dimensions:	0.86W x 0.36L x 0.44"H

Mfg. Part No.	Input Voltage Range (VDC) Min. Max.	Output Voltage (VDC)	Output Current (mA)	Input Current (mA) No Load Full Load	Efficiency (%)	Stock No.	Price Each 1-4
● IU0503SA	4.5 9	3.3	500	15 492	67	88M0781	17.50
● IU0505SA	4.5 9	5	400	15 571	70	88M0782	17.50
● IU0509SA	4.5 9	9	222	30 555	72	88M0783	17.50
● IU0512SA	4.5 9	12	167	30 555	72	88M0784	17.50
● IU0515SA	4.5 9	15	133	30 547	73	88M0785	17.50
● IU0524SA	4.5 9	24	83	60 533	75	88M0786	17.50
● IU1203SA	9 18	3.3	500	15 205	67	88M0787	17.50
● IU1205SA	9 18	5	400	15 216	77	88M0788	17.50
● IU1209SA	9 18	9	222	15 213	78	88M0789	17.50
● IU1212SA	9 18	12	167	15 208	80	88M0790	17.50
● IU1215SA	9 18	15	133	15 213	78	88M0791	17.50
● IU1224SA	9 18	24	83	15 208	80	88M0792	17.50
● IU2403SA	18 36	3.3	500	8 98	70	88M0793	17.50
● IU2405SA	18 36	5	400	8 108	77	88M0794	17.50
● IU2409SA	18 36	9	222	8 104	80	88M0795	17.50
● IU2412SA	18 36	12	167	8 104	80	88M0796	17.50
● IU2415SA	18 36	15	133	8 104	80	88M0797	17.50
● IU2424SA	18 36	24	83	8 104	80	88M0798	17.50
● IU4803SA	36 72	3.3	500	6 48	71	88M0799	18.50
● IU4805SA	36 72	5	400	6 56	74	88M0800	18.50
● IU4809SA	36 72	9	222	6 53	78	88M0801	18.50
● IU4812SA	36 72	12	167	6 53	78	88M0802	18.50
● IU4815SA	36 72	15	133	6 53	78	88M0803	18.50
● IU4824SA	36 72	24	83	6 52	80	88M0804	18.50

(108597)

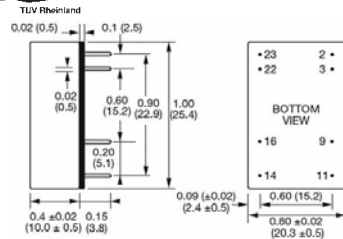
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(148845)

DC-TO-DC CONVERTERS

JCA02 SERIES 2 WATT
SINGLE AND DUAL OUTPUT
DC/DC CONVERTERS

- Compact 1.0" x 0.8" footprint
- Industry standard pinout
- Metal case

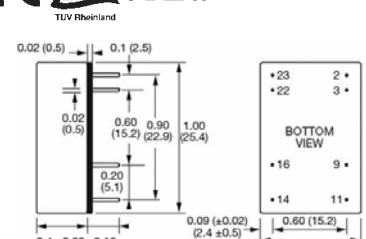
- Single and dual outputs
- Operating temperature -40°C to +100°C
- 1.5 kVDC isolation

SPECIFICATIONS:

Input Voltage Range:	5 V (4.5-9.0 VDC) 12 V (9-18 VDC) 24 V (18-36 VDC) 48 V (36-75 VDC)
Line Regulation:	±0.3%
Load Regulation:	±1%
Ripple & Noise:	50 mV pk-pk, 20 MHz BW
EMC:	EN55022, level A conducted (level B with external components)
Operating Temperature:	-40°C to +100°C output power derates from 100% load at +75°C linearly to 0% load at +100°C
Dimensions:	0.80W x 1.00L x 0.4"H

Mfg. Part No.	Input (V) Min.*	Input (V) Max.	Output 1 (VDC) +	Output Current 1 (A)	Input Current (mA)** No Load Full Load	Efficiency (%)	Stock No.	Price Each
● JCA0205D01	4.5	9	±5	±0.2	15 502	74	32M6306	20.70
● JCA0205D02	4.5	9	±12	±0.085	19 537	73	32M6307	20.70
● JCA0205D03	4.5	9	±15	±0.07	25 560	69	32M6308	20.70
● JCA0205S03	4.5	9	3.3	0.6	28 560	69	32M6309	18.45
● JCA0205S05	4.5	9	5	0.4	10 535	73	32M6310	18.45
● JCA0205S12	4.5	9	12	0.17	15 526	74	32M6311	18.45
● JCA0205S15	4.5	9	15	0.14	26 559	74	32M6312	18.45
● JCA0212D01	9	18	±5	±0.2	10 219	74	32M6313	20.70
● JCA0212D02	9	18	±12	±0.085	9 223	74	32M6314	20.70
● JCA0212D03	9	18	±15	±0.07	11 232	73	32M6315	20.70
● JCA0212S03	9	18	3.3	0.6	8 225	72	32M6316	18.45
● JCA0212S05	9	18	5	0.4	5 224	74	32M6317	18.45
● JCA0212S12	9	18	12	0.17	5 223	74	32M6318	18.45
● JCA0212S15	9	18	15	0.14	7 227	74	32M6319	18.45
● JCA0224D01	18	36	±5	±0.2	3 107	76	32M6320	20.70
● JCA0224D02	18	36	±12	±0.085	5 108	76	32M6321	20.70
● JCA0224D03	18	36	±15	±0.07	6 115	73	32M6322	20.70
● JCA0224S03	18	36	3.3	0.6	3 112	73	32M6323	18.45
● JCA0224S05	18	36	5	0.4	3 107	75	32M6324	18.45
● JCA0224S12	18	36	12	0.17	4 109	75	32M6325	18.45
● JCA0224S15	18	36	15	0.14	4 111	75	32M6326	18.45
● JCA0248D01	36	75	±5	±0.2	2 56	73	32M6327	20.70
● JCA0248D02	36	75	±12	±0.085	3 57	73	32M6328	20.70
● JCA0248D03	36	75	±15	±0.07	3 60	70	32M6329	20.70
● JCA0248S03	36	75	3.3	0.6	3 62	71	32M6330	18.45
● JCA0248S05	36	75	5	0.4	5 58	70	32M6331	18.45
● JCA0248S12	36	75	12	0.17	3 58	70	32M6332	18.45
● JCA0248S15	36	75	15	0.14	3 59	72	32M6333	18.45

*Nominal input voltage 5, 12, 24 or 48 VDC.
**Input current is at nominal input voltage.
(90453)

JCA03 SERIES 3 WATT
SINGLE AND DUAL OUTPUT
DC/DC CONVERTERS

- Compact 1.0" x 0.8" footprint
- Industry standard pinout
- Metal case

- Single and dual outputs
- Operating temperature -40°C to +100°C
- 1.5 kVDC isolation

SPECIFICATIONS:

Input Voltage Range:	5 V (4.5-9.0 VDC) 12 V (9-18 VDC) 24 V (18-36 VDC) 48 V (36-75 VDC)
Line Regulation:	±0.3%
Load Regulation:	±1%
Ripple & Noise:	50 mV pk-pk, 20 MHz BW
EMC:	EN55022, level A conducted (level B with external components)
Operating Temperature:	-40°C to +100°C output power derates from 100% load at +75°C linearly to 0% load at +100°C
Dimensions:	0.80W x 1.00L x 0.4"H

Mfg. Part No.	Input (V) Min.*	Input (V) Max.	Output 1 (VDC) +	Output Current 1 (A)	Input Current (mA)** No Load Full Load	Efficiency (%)	Stock No.	Price Each
● JCA0305D01	4.5	9	±5	±0.3	15 778	74	32M6334	23.40
● JCA0305D02	4.5	9	±12	±0.13	19 793	74	32M6335	23.40
● JCA0305D03	4.5	9	±15	±0.1	25 820	72	32M6336	23.40
● JCA0305S03	4.5	9	3.3	0.91	28 873	66	32M6337	20.70
● JCA0305S05	4.5	9	5	0.6	10 835	71	32M6338	20.70
● JCA0305S12	4.5	9	12	0.26	15 805	75	32M6339	20.70
● JCA0305S15	4.5	9	15	0.2	26 804	74	32M6340	20.70
● JCA0312D01	9	18	±5	±0.3	10 325	75	32M6341	23.40
● JCA0312D02	9	18	±12	±0.13	9 313	75	32M6342	23.40
● JCA0312D03	9	18	±15	±0.1	11 322	73	32M6343	23.40
● JCA0312S03	9	18	3.3	0.91	8 333	74	32M6344	20.70
● JCA0312S05	9	18	5	0.6	5 324	75	32M6345	20.70
● JCA0312S12	9	18	12	0.26	5 315	78	32M6346	20.70
● JCA0312S15	9	18	15	0.2	7 322	77	32M6347	20.70
● JCA0324D01	18	36	±5	±0.3	3 156	77	32M6348	23.40
● JCA0324D02	18	36	±12	±0.13	5 154	77	32M6349	23.40
● JCA0324D03	18	36	±15	±0.1	6 160	75	32M6350	23.40
● JCA0324S03	18	36	3.3	0.91	3 165	74	32M6351	20.70
● JCA0324S05	18	36	5	0.6	3 157	77	32M6352	20.70
● JCA0324S12	18	36	12	0.26	4 154	77	32M6353	20.70
● JCA0324S15	18	36	15	0.2	4 157	77	32M6354	20.70
● JCA0348D01	36	75	±5	±0.3	2 79	76	32M6355	23.40
● JCA0348D02	36	75	±12	±0.13	3 78	76	32M6356	23.40
● JCA0348D03	36	75	±15	±0.1	3 82	74	32M6357	23.40
● JCA0348S03	36	75	3.3	0.91	3 82	73	32M6358	20.70
● JCA0348S05	36	75	5	0.6	5 82	74	32M6359	20.70
● JCA0348S12	36	75	12	0.26	6 79	75	32M6360	20.70
● JCA0348S15	36	75	15	0.2	6 81	75	32M6361	20.70

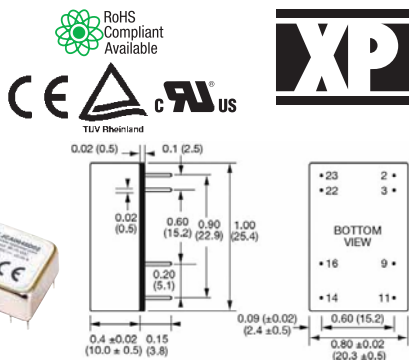
*Nominal input voltage 5, 12, 24 or 48 VDC.
**Input current is at nominal input voltage.
(90454)

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(148886)

DC-TO-DC CONVERTERS

JCA04 SERIES 4 WATT
SINGLE AND DUAL
OUTPUT DC/DC
CONVERTERS

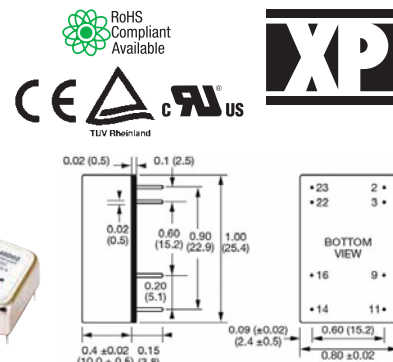
- Compact 1.0" x 0.8" footprint
- Industry standard pinout
- Metal case
- Single and dual outputs
- Operating temperature -40°C to +100°C
- 1.5 kVDC isolation

SPECIFICATIONS:

Input Voltage Range:	5 V (4.5-9.0 VDC) 12 V (9-18 VDC) 24 V (18-36 VDC) 48 V (36-75 VDC)
Line Regulation:	±0.3%
Load Regulation:	±1%
Ripple & Noise:	50 mV pk-pk, 20 MHz BW
EMC:	EN55022, level A conducted (level B with external components)
Operating Temperature:	-40°C to +100°C output power derates from 100% load at +75°C linearly to 0% load at +100°C
Dimensions:	0.80W x 1.00L x 0.4"H

Mfg. Part No.	Input (V) Min.*	Input (V) Max.	Output 1 (VDC) +	Output Current 1 (A)	Input Current (mA)**		Efficiency (%)	Stock No.	Price Each
					No Load	Full Load			
● JCA0405D01	4.5	9	±5	±0.4	12	982	81	32M6362	31.50
● JCA0405D02	4.5	9	±12	±0.17	34	973	83	32M6363	31.50
● JCA0405D03	4.5	9	±15	±0.14	25	998	83	32M6364	31.50
● JCA0405S03	4.5	9	3.3	1.22	44	1000	80	32M6365	30.60
● JCA0405S05	4.5	9	5	0.8	66	955	83	32M6366	30.60
● JCA0405S12	4.5	9	12	0.34	9	975	83	32M6367	30.60
● JCA0405S15	4.5	9	15	0.28	10	985	85	32M6368	30.60
● JCA0412D01	9	18	±5	±0.4	15	409	82	32M6369	31.50
● JCA0412D02	9	18	±12	±0.17	21	407	83	32M6370	31.50
● JCA0412D03	9	18	±15	±0.14	25	422	83	32M6371	31.50
● JCA0412S03	9	18	3.3	1.22	38	403	83	32M6372	30.60
● JCA0412S05	9	18	5	0.8	46	396	84	32M6373	30.60
● JCA0412S12	9	18	12	0.34	18	404	84	32M6374	30.60
● JCA0412S15	9	18	15	0.28	22	416	84	32M6375	30.60
● JCA0424D01	18	36	±5	±0.4	11	207	81	32M6376	31.50
● JCA0424D02	18	36	±12	±0.17	16	209	81	32M6377	31.50
● JCA0424D03	18	36	±15	±0.14	17	213	81	32M6378	31.50
● JCA0424S03	18	36	3.3	1.22	21	204	82	32M6379	30.60
● JCA0424S05	18	36	5	0.8	34	205	80	32M6380	30.60
● JCA0424S12	18	36	12	0.34	13	205	82	32M6381	30.60
● JCA0424S15	18	36	15	0.28	13	211	83	32M6382	30.60
● JCA0448D01	36	75	±5	±0.4	7	108	78	32M6383	31.50
● JCA0448D02	36	75	±12	±0.17	8	107	79	32M6384	31.50
● JCA0448D03	36	75	±15	±0.14	10	109	80	32M6385	31.50
● JCA0448S03	36	75	3.3	1.22	13	104	80	32M6386	30.60
● JCA0448S05	36	75	5	0.8	14	104	80	32M6387	30.60
● JCA0448S12	36	75	12	0.34	6	103	80	32M6388	30.60
● JCA0448S15	36	75	15	0.28	7	108	81	32M6389	30.60

*Nominal input voltage 5, 12, 24 or 48 VDC.

**Input current is at nominal input voltage.
(90455)JCA06 SERIES 6 WATT
SINGLE AND DUAL OUTPUT
DC/DC CONVERTERS

- Compact 1.0" x 0.8" footprint
- Industry standard pinout
- Metal case
- Single and dual outputs
- Operating temperature -40°C to +100°C
- 1.5 kVDC isolation

SPECIFICATIONS:

Input Voltage Range:	5 V (4.5-9.0 VDC) 12 V (9-18 VDC) 24 V (18-36 VDC) 48 V (36-75 VDC)
Line Regulation:	±0.3%
Load Regulation:	±1%
Ripple & Noise:	50 mV pk-pk, 20 MHz BW
EMC:	EN55022, level A conducted (level B with external components)
Operating Temperature:	-40°C to +100°C output power derates from 100% load at +75°C linearly to 0% load at +100°C
Dimensions:	0.80W x 1.00L x 0.4"H

Mfg. Part No.	Input (V) Min.*	Input (V) Max.	Output 1 (VDC) +	Output Current 1 (A)	Input Current (mA)**		Efficiency (%)	Stock No.	Price Each
					No Load	Full Load			
● JCA0605D01	4.5	9	±5	±0.5	12	1239	81	32M6390	32.40
● JCA0605D02	4.5	9	±12	±0.25	34	1431	83	32M6391	32.40
● JCA0605D03	4.5	9	±15	±0.2	25	1430	83	32M6392	32.40
● JCA0605S03	4.5	9	3.3	1.52	44	1286	78	32M6393	31.50
● JCA0605S05	4.5	9	5	1	66	1208	82	32M6394	31.50
● JCA0605S12	4.5	9	12	0.5	9	1451	82	32M6395	31.50
● JCA0605S15	4.5	9	15	0.4	10	1419	84	32M6396	31.50
● JCA0612D01	9	18	±5	±0.5	15	513	82	32M6397	32.40
● JCA0612D02	9	18	±12	±0.25	21	591	84	32M6398	32.40
● JCA0612D03	9	18	±15	±0.2	25	597	83	32M6399	32.40
● JCA0612S03	9	18	3.3	1.52	38	505	82	32M6400	31.50
● JCA0612S05	9	18	5	1	46	492	84	32M6401	31.50
● JCA0612S12	9	18	12	0.5	18	591	84	32M6402	31.50
● JCA0612S15	9	18	15	0.4	22	589	85	32M6403	31.50
● JCA0624D01	18	36	±5	±0.5	11	257	81	32M6404	32.40
● JCA0624D02	18	36	±12	±0.25	16	299	84	32M6405	32.40
● JCA0624D03	18	36	±15	±0.2	17	296	84	32M6406	32.40
● JCA0624S03	18	36	3.3	1.52	21	255	82	32M6407	31.50
● JCA0624S05	18	36	5	1	34	252	82	32M6408	31.50
● JCA0624S12	18	36	12	0.5	13	297	84	32M6409	31.50
● JCA0624S15	18	36	15	0.4	13	297	84	32M6410	31.50
● JCA0648D01	36	75	±5	±0.5	7	131	80	32M6411	32.40
● JCA0648D02	36	75	±12	±0.25	8	150	83	32M6412	32.40
● JCA0648D03	36	75	±15	±0.2	10	150	83	32M6413	32.40
● JCA0648S03	36	75	3.3	1.52	13	130	80	32M6414	31.50
● JCA0648S05	36	75	5	1	14	128	81	32M6415	31.50
● JCA0648S12	36	75	12	0.5	6	149	84	32M6416	31.50
● JCA0648S15	36	75	15	0.4	7	149	84	32M6417	31.50

*Nominal input voltage 5, 12, 24 or 48 VDC.

**Input current is at nominal input voltage.
(90456)

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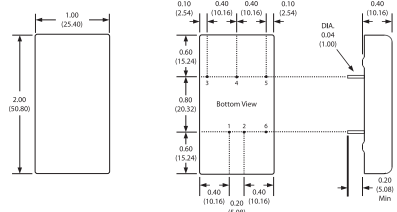
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(148881)

DC-TO-DC CONVERTERS

JTH15 SERIES 15 WATT SINGLE AND DUAL OUTPUT DC/DC CONVERTERS



- Extra wide 4:1 input range
- 1500 VDC isolation
- Continuous short circuit protection
- Efficiency up to 86%
- -40°C to +100°C operation
- Remote on/off
- Single and dual outputs

SPECIFICATIONS:

Input Voltage Range:	24 V (9-36 VDC) 48 V (18-72 VDC)
Line Regulation:	±0.5%
Load Regulation:	±0.5% 10-100% load, ±1.0% below 10% load
Ripple & Noise:	75 mV pk-pk 20 MHz BW
Conducted & Radiated EMI:	EN55022 Class A conducted and radiated with external components
Operating Temperature:	-40°C to +100°C, derate from 100% load at 60°C to 0% load at 100 °C
Dimensions:	1.00W x 2.00L x 0.40"H

Mfg. Part No.	In-put (V) Min.	In-put (V) Max.	Out-put 1 (VDC) +	Out-put Cur. 1 (mA)	Input Current (mA)*	Efficiency (%)	Max Capacitive Load (µF)	Stock No.	Price Each
● JTH1524S3V3	9	36	3.3	3000	25 515	80	3300	32M9277	46.00
● JTH1524S05	9	36	5	3000	25 753	83	3300	32M9274	46.00
● JTH1524S12	9	36	12	1250	25 735	85	680	32M9275	46.00
● JTH1524S15	9	36	15	1000	25 726	86	470	32M9276	46.00
● JTH1524D05	9	36	±5	±1500	25 753	83	±2200	32M9271	50.00
● JTH1524D12	9	36	±12	±625	25 735	85	±470	32M9272	50.00
● JTH1524D15	9	36	±15	±500	25 726	86	±330	32M9273	50.00
● JTH1548S3V3	18	72	3.3	3000	20 257	80	3300	32M9284	46.00
● JTH1548S05	18	72	5	3000	20 376	83	3300	32M9281	46.00
● JTH1548S12	18	72	12	1250	20 367	85	680	32M9282	46.00
● JTH1548S15	18	72	15	1000	20 363	86	470	32M9283	46.00
● JTH1548D05	18	72	±5	±1500	20 376	83	±2200	32M9278	50.00
● JTH1548D12	18	72	±12	±625	20 367	85	±470	32M9279	50.00
● JTH1548D15	18	72	±15	±500	20 363	86	±330	32M9280	50.00

*Input current measured at nominal input voltage.
(90488)

1W, 3KV ISOLATED DC/DC CONVERTERS



Just Added

The DCH01 series is a family of miniature, 1W, 3KV isolated DC/DC converters. The SIP-7 footprint standard makes the DCH01 series less dependent on external components ultimately reducing board space. The DCH01 series provides both single and dual split-supply outputs.

Mfg. Part No.	Outputs	Input Min. (V)	Input Max. (V)	Output 1 (VDC) +	Output Current 1 (mA)	Efficiency (%)	Pkg.	Stock No.	Price Each
● DCH010505DN7	2	4.5	5.5	5.5	100	72	7-SIP	02M9394	7.28
● DCH010505SN7	1	4.5	5.5	5.5	200	72	4-SIP	28M9234	7.28
● DCH010512DN7	2	4.5	5.5	12.6	0.042	75	5-SIP	28M9235	7.28
● DCH010512SN7	1	4.5	5.5	12.6	0.083	74	4-SIP	28M9236	7.28
● DCH010515DN7	2	4.5	5.5	15.75	33	76	5-SIP	34M5484	7.28
● DCH010515SN7	1	4.5	5.5	15.75	67	75	4-SIP	02M9399	7.28

(89695)

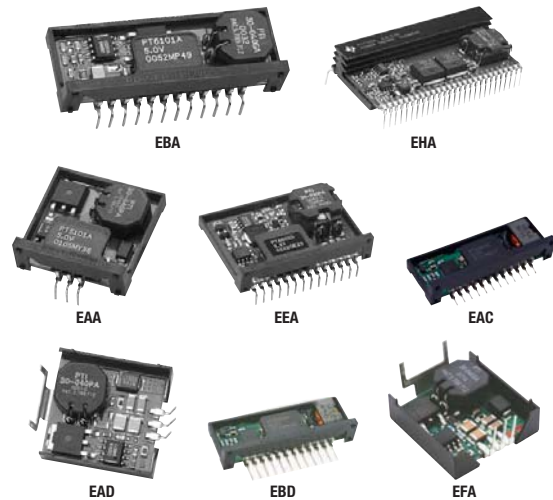
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Use the library of online training modules located on our homepage under Useful Tools, with specific guidance for complex solutions.

(148857)

INTEGRATED SWITCHING REGULATORS

Just Added



The Integrated Switching Regulators (ISR) from Texas Instruments, formerly available from PowerTrends, are easy to use positive and negative stepdown regulators, offering typically >85% efficiency. The output voltages are laser trimmed to industry standard voltages with excellent line and load regulation. The ISR lineup is suitable for a multitude of applications including Ethernet comms, logic, RS-232, op-amp circuitry, disk drive motors and battery powered equipment. For drawings and dimensions please go online.

SINGLE OUTPUT

Mfg. Part No.	Input (V) Min.	Input (V) Max.	Output 1 (VDC) +	Output Current 1 (A)	Efficiency (%)	Pkg./Case	Stock No.	Price Each
● 78SR112HC	14.5	30	12	1.5	85	3-SIP	14M8293	25.72
● PT5022A	4.75	7	-5	1	75	3-SIP	75C5819	17.32
● PT5022C	4.75	7	-5	1	75	3-SIP	75C5820	17.32
● PT5024A	4.75	7	-12	0.5	75	3-SIP	72C6005	17.32
● PT5024C	4.75	7	-12	0.5	75	3-SIP	14M8584	17.32
● PT5026C	4.75	7	-5.2	1	75	3-SIP	75C5855	17.32
● PT5030A	4.75	7	-6	1	75	3-SIP	75C5888	17.32
● PT5041A	4.75	11	12	1	85	3-SIP	17M7532	17.32
● PT5041C	4.75	11	12	1	85	3-SIP	14M8587	17.32
● PT5041N	4.75	11	12	1	85	3-SIP	14M8588	17.32
● PT5042A	4.75	14	15	0.75	85	3-SIP	75C5910	17.32
● PT5044C	4.75	7	8	1.5	85	3-SIP	75C5921	17.32
● PT5045C	4.75	8	9	1.2	85	3-SIP	75C5925	17.32
● PT5101A	9	38	5	1	95	3-SIP	15M1934	11.42
● PT5101C	9	38	5	1	95	3-SIP	35C0570	11.42
● PT5101N	9	38	5	1	95	3-SIP	15M7372	11.42
● PT5102A	16	38	12	1	95	3-SIP	17M7533	14.87
● PT5102C	16	38	12	1	95	3-SIP	29C6663	14.87
● PT5102N	16	38	12	1	95	3-SIP	14M8590	14.87
● PT5103A	9	26	3.3	1	95	3-SIP	75C5990	14.87
● PT5103N	9	26	3.3	1	95	3-SIP	75C5997	14.87
● PT78HT205H	9	28	5	2	85	3-SIP	75C7141	15.45
● PT78HT205S	9	28	5	2	85	3-SIP	23C9539	15.45
● PT78HT205V	9	28	5	2	90	3-SIP	35C0584	15.45
● PT78HT265H	10.5	28	6.5	2	85	3-SIP	78M1806	15.45
● PT78NR112V	7	18	-12	0.4	75	3-SIP	75C7191	15.45
● PT78NR115H	7	15	-15	0.3	75	3-SIP	75C7196	13.76
● PT78ST105H	9	38	5	1.5	85	3-SIP	16M1403	13.76
● PT78ST105S	9	38	5	1.5	85	3-SIP	17M7534	13.76
● PT78ST105V	9	38	5	1.5	85	3-SIP	16M2467	13.76
● PT78ST105V	9	38	5	1.5	85	3-SIP	16M2467	13.76
● PT78ST108H	12	38	8	1.5	85	3-SIP	18M9300	13.76
● PT78ST109H	13	38	9	1.5	85	3-SIP	74M8354	13.76
● PT78ST112H	16	38	12	1.5	85	3-SIP	15M7375	15.45
● PT78ST112V	16	38	12	1.5	90	3-SIP	18M2723	15.45
● PT78ST115V	19	38	15	1.5	90	3-SIP	32C0395	15.45
● PT78ST133H	9	26	3.3	1.5	80	3-SIP	75C7251	13.76

DUAL OUTPUT

● PT5401C	4.5	5.5	3.3	5.5	93	5-SIP	75C6053	21.58
● PT5402C	4.5	5.5	2.5	6	91	5-SIP	75C6056	21.58
● PT5405C	3.1	5.5	1.5	5.5	85	5-SIP	75C6065	21.58

TRI OUTPUT

● PT6101C	9	30	5	1	90	12-SIP	35C0574	11.77
● PT6212D	9	30	5	2	90	12-SIP	14M8598	18.54

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DC-TO-DC CONVERTERS

INTEGRATED SWITCHING REGULATORS (CONT.)

TRI OUTPUT

Mfg. Part No.	Input (V) Min.	Input (V) Max.	Output 1 (VDC) +	Output Current 1 (A)	Efficiency (%)	Pkg./Case	Stock No.	Price Each
● PT6302A	16	30	5	3	91	12-SIP	15M1935	16.66
● PT6302C	9	30	5	3	90	12-SIP	06M7606	16.66
● PT6302N	9	30	5	3	90	12-SIP	16M2466	16.66
● PT6303A	9	26	3.3	3	84	12-SIP	75C6198	21.64
● PT6303C	9	26	3.3	3	84	12-SIP	75C6200	21.64
● PT6303N	9	26	3.3	3	90	12-SIP	75C6202	21.64
PT6501B	4.5	6	3.3	8	90	14-SIP	75C6372	58.10
PT6501G	4.5	6	3.3	8	90	14-SIP	75C6376	58.10
● PT6653D	9	28	5	5	84	14-SIP	75C6722	35.50
● PT6653P	9	28	5	5	84	14-SIP	75C6728	35.50

QUAD OUTPUT

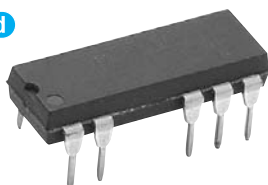
● PT5062A	4.75	14	12	0.5	85	3-SIP	55M8227	19.64
● PT5062C	4.75	14	12	0.5	85	3-SIP	75C5964	19.64

(71120)

ISOLATED UNREGULATED DC-TO-DC CONVERTERS



Just Added



- Thermal Protection
- Device-to-Device Synchronization
- EN55022 Class B EMC Performance
- JEDEC 14- and 18-pin and SO-28 Packages
- Switching Frequency: 400kHz Max.
- VOUT Accuracy: 5%

Applications: Point-of-use power conversion, ground loop elimination, data acquisition, industrial control and instrumentation, and test equipment. UL 1950 recognized.

MINIATURE, SINGLE OUTPUT, 1W—UP TO 85% EFFICIENCY

Mfg. Part No.	Input (V) Min.	Input (V) Max.	Output 1 (VDC) +	Output Current 1 (mA)	Efficiency (%)	Pkg./Case	Stock No.	Price Each
● DCR010503P	4.5	5.5	3.37	300	78	10-PDIP	74C9364	11.85
● DCP010505BP	4.5	5.5	5.25	200	80	7-PDIP	74K3717	8.51
● DCP010505BP-U	4.5	5.5	5.25	200	80	7-SOP	35C1673	8.51
● DCR010505P	4.5	5.5	5.1	300	78	10-PDIP	74K3734	9.46
● DCP010512BP	4.5	5.5	12.6	83	82	7-PDIP	84K1267	8.51
● DCP010512BP-U	4.5	5.5	12.6	83	85	7-SOP	74K3719	8.51
● DCP010515BP	4.5	5.5	15.75	67	82	7-PDIP	74K3722	8.51
● DCV010515P	4.5	5.5	15.75	67	84	7-PDIP	74C9395	9.39
● DCV010515P-U	4.5	5.5	15.75	67	84	7-SOP	74C9396	9.39
● DCP012405BP	21.6	26.4	5.25	200	77	7-PDIP	35C1680	8.51
● DCV010512P	4.5	5.5	12.6	83	85	7-PDIP	74C9389	9.39
● DCV010512P-U	4.5	5.5	12.6	83	85	7-SOP	74C9390	9.39
● DCV010505P	4.5	5.5	5.25	200	78	7-PDIP	74C9383	9.39
● DCV010505P-U	4.5	5.5	5.25	200	78	7-SOP	74C9384	9.39

MINIATURE, DOUBLE OUTPUT, 1W—UP TO 85% EFFICIENCY

● DCP010512DBP	4.5	5.5	12.6	83	82	7-PDIP	74K3720	9.39
● DCP010505DBP	4.5	5.5	5.25	100	81	7-PDIP	74K3718	9.39
● DCP010515DBP-U	4.5	5.5	15.75	33	85	7-SOP	74K3724	8.51
● DCP011515DBP	4.5	5.5	15.75	33	80	7-PDIP	74C9332	9.39
● DCP010515DBP	4.5	5.5	15.75	33	85	7-PDIP	74K3723	9.39
● DCP011512DBP	13.5	16.5	12.6	41	78	7-PDIP	74K3725	9.39
● DCP012415DBP-U	21.6	26.4	15.75	33	76	7-SOP	76K4235	9.39
● DCV010505DP	4.5	5.5	5.25	100	78	7-PDIP	74C9382	9.39
● DCV010505DP-U	4.5	5.5	5.25	200	78	7-SOP	43K3295	9.39
● DCV010512DP	4.5	5.5	12.6	41	82	7-PDIP	74C9386	9.39
● DCV010512DP-U	4.5	5.5	12.6	41	82	7-SOP	74C9387	9.39
● DCV010515DP-U	4.5	5.5	15.75	33	85	7-SOP	74C9393	9.39

MINIATURE, SINGLE OUTPUT, 2W—UP TO 89% EFFICIENCY

● DCP020503P	4.5	5.5	3.46	606	74	7-PDIP	74C9339	11.05
● DCP020503U	4.5	5.5	3.46	606	74	12-SOP	74C9340	11.21
● DCP020505P	4.5	5.5	5.25	400	80	7-PDIP	74K3726	11.05
● DCP020505U	4.5	5.5	5.25	400	80	12-SOP	74K3727	11.21
● DCP020507P	4.5	5.5	7.35	286	81	7-PDIP	74C9343	11.05
● DCP020509P	4.5	5.5	9.45	222	82	7-PDIP	74C9346	13.76
● DCP020509U	4.5	5.5	9.45	222	82	12-SOP	74K3728	13.76
● DCP021205P	10.8	13.2	5.25	400	83	7-PDIP	74K3729	13.76
● DCP021212P	10.8	13.2	12.6	400	88	7-PDIP	74K3731	11.05

MINIATURE, DOUBLE OUTPUT, 2W—UP TO 89% EFFICIENCY

● DCP020515DU	4.5	5.5	15.75	66	85	12-SOP	82K8332	11.21
● DCP021212DP	10.8	13.2	12.6	83	88	7-PDIP	74K3730	13.76

▶ CONTINUED ▶

ISOLATED UNREGULATED DC-TO-DC CONVERTERS (CONT.)

MINIATURE, DOUBLE OUTPUT, 2W—UP TO 89% EFFICIENCY

Mfg. Part No.	Input (V) Min.	Input (V) Max.	Output 1 (VDC) +	Output Current 1 (mA)	Efficiency (%)	Pkg./Case	Stock No.	Price Each
● DCP022415DP	21.6	26.4	15.75	83	79	7-PDIP	74K3733	13.76
● DCP020515DP	4.5	5.5	15.75	66	85	7-PDIP	79K6170	11.05

(63509)

NON-ISOLATED, WIDE OUTPUT ADJUSTABLE POWER MODULES



Just Added

SINGLE OUTPUT

Mfg. Part No.	Input (V) Min.	Input (V) Max.	Output 1 (VDC) +	Output Current 1 (A)	Efficiency (%)	Pkg./Case	Stock No.	Price Each
● PTH03010WAH	2.95	3.65	2.5	15	93	10-DIP	87H2503	15.76
● PTH04070WAH	3	5.5	3.6	3	92	5-DIP	44J0217	7.74
PTH04070WAS	3	5.5	3.6	3	92	5-DIP	44J0218	7.74
● PTH05010WAH	4.5	5.5	3.6	15	95	10-DIP	73H4315	15.76
● PTH05020WAH	4.5	5.5	3.6	22	95	10-DIP	73H4317	20.38
PTH05020WAS	4.5	5.5	3.6	22	95	10-DIP	73H4318	20.38
● PTH08080WAH	4.5	18	5.5	2.25	93.5	5-DIP	24K0569	7.74
PTH08080WAS	4.5	18	5.5	2.25	93.5	5-DIP	24K4726	7.74
● PT5401A	4.5	5.5	3.3	6	93	5-SIP	14M8591	21.58
● PTH08T241WAD	4.5	14	5.5	10	95	11-DIP	22M1622	14.68
● PTH08T241WAZ	4.5	14	5.5	10	95	11-DIP	22M1625	14.68
● PTH08T221WAD	4.5	14	5.5	16	95	11-DIP	22M1617	17.12
● PTH08T221WAZ	4.5	14	5.5	16	95	11-DIP	22M1620	17.12
PTH08T210WAS	5.5	14	3.6	30	93	14-DIP	66K4112	24.46
● PTH08T210WAZ	5.5	14	3.6	30	93	14-DIP	66K4114	24.46
● PTH08T220WAD	4.5	14	5.5	16	95	11-DIP	66K4116	17.12
PTH08T220WAS	4.5	14	5.5	16	95	11-DIP	66K4118	17.12
● PTH08T230WAD	4.5	14	5.5	6	95	10-DIP	03M9751	11.94
● PTH08T230WAS	4.5	14	5.5	6	95	10-DIP	03M9752	11.94
● PTH08T230WAZ	4.5	14	5.5	6	95	10-DIP	03M9754	11.94
● PTH08T240WAD	4.5	14	5.5	10	95	11-DIP	71K9425	14.68
PTH08T240WAS	4.5	14	5.5	10	95	11-DIP	71K9427	14.68
● PTH08T240WAZ	4.5	14	5.5	10	95	11-DIP	71K9429	14.68
● PTH08T260WAD	4.5	14	5.5	3	95	10-DIP	27M0669	9.94
● PTH08T260WAS	4.5	14	5.5	3	95	10-DIP	27M0670	9.94
● PTH08T260WAZ	4.5	14	5.5	3	95	10-DIP	27M0672	9.94
PTH08T250WAD	4.5	14	3.6	50	94	22-DIP	53M3841	48.91
● PTH12000WAH	10.8	13.2	5.5	6	92	5-DIP	86H7984	10.98
PTH12000WAS	10.8	13.2	5.5	6	92	5-DIP	87H2507	10.98
● PTH12010WAH	10.8	13.2	5.5	12	94	10-DIP	83H8348	15.76
PTH12020WAH	10.8	13.2	5.5	18	95	10-DIP	73H4319	25.47
PTH12020WAS	10.8	13.2	5.5	18	95	10-DIP	73H4320	25.47
● PTH12030WAH	10.8	13.2	5.5	26	94.5	13-DIP	90H3326	28.88
● PTH12040WAZ	8	14	5.5	50	96	20-DIP	57K1191	47.55
● PTH12050WAZ	10.8	13.2	5.5	10	93	10-DIP	37K0752	10.43
● PTH12060WAH	10.8	13.2	5.5	10	94	10-DIP	90H0362	14.81
● PTH04T220WAD	2.2	5.5	3.6	16	94	11-DIP	27M0664	17.12
● PTH04T220WAZ	2.2	5.5	3.6	16	94	11-DIP	27M0667	17.12
● PTH04T230WAD	2.2	5.5	3.6	6	94	10-DIP	18M7532	11.94
PTH04T230WAS	2.2	5.5	3.6	6	94	10-DIP	18M7533	11.94
● PTH04T230WAZ	2.2	5.5	3.6	6	94	10-DIP	18M7535	11.94
● PTH04T240WAD	2.2	5.5	3.6	10	94	11-DIP	18M7542	14.68
PTH04T240WAS	2.2	5.5	3.6	10	94	11-DIP	18M7543	14.68
● PTH04T240WAZ	2.2	5.5	3.6	10	94	11-DIP	18M7545	14.68
● PTH04T260WAD	2.2	5.5	3.6	3	95	10-DIP	18M7547	9.94
PTH04T260WAS	2.2	5.5	3.6	3	95	10-DIP MODULE	18M7548	9.94
● PTH04T260WAZ	2.2	5.5	3.6	3	95	10-DIP	18M7550	9.94
● PTN78000AAH	7	29	-3	1.5	77	5-DIP	28K3818	12.72
● PTN78000HAH	7	29	22	1.5	77	5-DIP	33K5367	14.30
● PTN78000WAH	7	29	-12.6	1.5	77	5-DIP	65J6317	12.72
PTH78000WAS	7	29	22	1.5	77	5-DIP	65J6318	12.72
● PTN78020WAH	7	29	12.6	1.5	77	5-DIP	73J8281	21.45
PTH78020WAS	7	29	12.6	1.5	77	5-DIP	73J8282	21.45
● PTN78060WAH	7	36	12.6	3	94	7-DIP	71J7324	15.73

(88862)

DIN RAIL POWER SUPPLIES

SWITCHING
POWER SUPPLIES

- Universal input: 7.5 to 75W: 85-264VAC/105-370VDC; 100W: 100-120VAC/200-240VAC, 240-370VDC (selectable); 120 to 240W: 85-264VAC/105-370VDC
- Unique spring-up, finger safe terminals (ideal for ring lug wire), IP20
- Power factor correction (75W, 120W, & 240W models)
- Voltage adjustment: +/-10%
- Output capabilities in 5VDC, 12VDC, or 24VDC
- Overcurrent/overvoltage protection
- DIN rail or panel surface mount
- Parallel operation: 75W, 120W and 240W model
- Worldwide approvals

Mfg. Part No.	Power (W)	Output Voltage (VDC)	Output Current (A)	Dimensions (H x W x D) mm	Stock No.	Price Each
PS5R-A05	7.5	5	1.5	75 x 45 x 70	31C9443	66.41
PS5R-A12	7.5	12	0.6	75 x 45 x 70	83F4500	69.54
PS5R-A24	7.5	24	0.3	75 x 45 x 70	83F4501	69.54
PS5R-B05	12.5	5	2.5	75 x 45 x 95	31C9444	99.61
PS5R-B12	15	12	1.2	75 x 45 x 95	83F4502	104.31
PS5R-B24	15	24	0.6	75 x 45 x 95	83F4503	104.31
PS5R-C12	30	12	2.5	75 x 90 x 95	83F4504	139.08
PS5R-C24	30	24	1.3	75 x 90 x 95	83F4505	139.08
PS5R-D24	50	24	2.1	75 x 90 x 95	83F4506	173.85
PS5R-Q24	75	24	3.1	120 x 85 x 140	92C3196	205.86
PS5R-E24	100	24	4.2	75 x 145 x 95	83F4507	250.35
PS5R-F24	120	24	5.0	120 x 115 x 140	72C3779	265.62
PS5R-G24	240	24	10.0	120 x 200 x 140	19C1265	410.29

(28370)

SLIM LINE
POWER SUPPLIES

- Lightweight and compact in size
- Unique spring-up, finger safe terminals (ideal for ring lug wire)
- Power factor correction (60W to 240W)
- Overcurrent/overvoltage protection
- Voltage adjustment +/-10%
- Universal input: 10W to 90W: 85-264VAC/100-370VDC; 120W and 240W: 85-264VAC/100-350VDC
- IP20 rating
- Voltage adjustment +/-10%
- DIN rail or panel mount
- Meets SEMI F47 sag immunity (120W and 240W only)
- Class 1, Div. 2 hazardous locations (UL1604)

POWER SUPPLIES

Mfg. Part No.	Power Rating (W)	Output		H x W x D (mm)	Stock No.	Price Each		
		Voltage (VDC)	Current (A)			Each	2-4	5-9
PS5R-SB05	10	5	2	90 x 22.5 x 95	37M1373	111.23	104.47	97.72
PS5R-SB12	15	12	1.2	90 x 22.5 x 95	37M1374	111.23	104.47	97.72
PS5R-SB24	15	24	0.65	90 x 22.5 x 95	37M1375	111.23	104.47	97.72
PS5R-SC12	30	12	2.50	95 x 36 x 108	84H1291	154.87	145.47	136.06
PS5R-SC24	30	24	1.30	95 x 36 x 108	84H1292	154.87	145.47	136.06
PS5R-SD24	60	24	2.50	95 x 36 x 108	78H0788	197.11	185.14	173.17
PS5R-SE24	90	24	3.75	115 x 46 x 121	70H8557	246.39	231.42	216.46
PS5R-SF24	120	24	5.00	115 x 50 x 129	08J5077	302.70	284.32	265.94
PS5R-SG24	240	24	10.00	125 x 80 x 143	08J5078	436.45	409.95	383.44

ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each		
			Each	2-4	5-9
PS9Z-5R1B	Vertical Panel Mounting Bracket for PS5R-SB models	37M1376	8.45	7.94	7.43
PS9Z-5R2B	Flat Panel Mounting Bracket for PS5R-SB	37M1379	16.90	15.87	14.85
PS9Z-5R1C	Panel Mounting Bracket for PS5R-SC and PS5R-SD models	19K6219	6.33	5.94	5.56
PS9Z-5R1E	Panel Mounting Bracket for PS5R-SE models	37M1377	8.45	7.94	7.43
PS9Z-5R1G	Panel Mounting Bracket for PS5R-SF and PS5R-SG models	37M1378	12.68	11.91	11.14

(77677)

DHP AND DLP SERIES
DIN RAIL MOUNT
POWER SUPPLIES
TDK-Lambda
Innovating Reliable Power


- Low Cost
- 3-Year Warranty
- UL508 Listed
- Convection Cooled
- Power Factor Correction to EN61000-3-2
- Conducted and Radiated EMI, Class B
- Input Transient Protected IEC61000-4
- -3 Indicates 3-Phase

DHP SERIES

Mfg. Part No.	Output (V)	Output (A)	Power (W)	Load Reg mV	Line Reg mV	Stock No.	Price Each
DHP480-24-1	24	20	480	240	240	09J4839	415.80
DHP480-24-3	24	20	480	240	240	09J4840	346.50

DLP SERIES

• DLP75-24-1/E	24	3.1	75	192	120	71K2982	71.78
• DLP100-24-1/E	24	4.1	100	192	120	71K2978	95.70
• DLP120-24-1/E	24	5	120	192	120	71K2979	103.95
• DLP180-24-1/E	24	7.5	180	192	120	71K2980	140.25
• DLP240-24-1/E	24	10	240	192	120	71K2981	166.65

(77451)

DSP SERIES 7.5 TO 100 WATT DIN
RAIL MOUNT POWER SUPPLIES
TDK-Lambda
Innovating Reliable Power


- Low profile for building automation
- 5V to 24V outputs
- Wide range AC input
- UL1310 Class 2*
- Class II double insulation
- -25 to +71°C operation
- Convection cooled
- DIN rail or chassis mount
- 2 year warranty

DSP series low 2.2" profile fits into wall mounted cabinets. Wide range AC for global use with no input selector switches. Full power at 61°C no derating needed. Size (W x D x H): **DSP10**: 0.71 x 3.58 x 2.19"; **DSP30**: 2.09 x 3.58 x 2.19"; **DSP60**: 2.8 x 3.58 x 2.19"; **DSP100**: 3.54 x 3.58 x 2.19".

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Power (W)	Efficiency %	Hold Up Time 115 VAC in (ms)	Stock No.	Price Each
• DSP10-5	5	1.5	7.5	74	74	39M5711	24.20
• DSP30-5	5	3	15	74	74	39M5718	39.00
• DSP60-5	5	7	35	80	80	39M5722	47.00
• DSP10-12	12	0.83	10	78	78	39M5708	24.20
• DSP30-12	12	2.1	25	82	82	30M0232	39.00
• DSP60-12	12	4.5	54	84	84	39M5719	47.00
• DSP100-12	15	6	72	82	82	39M5712	61.43
• DSP10-15	15	0.67	10	78	78	39M5709	24.20
• DSP30-15	15	2	30	83	83	39M5716	39.00
• DSP60-15	15	4	60	85	85	39M5720	47.00
• DSP100-15	15	5	75	85	85	39M5713	61.43
• DSP10-24	24	0.42	10	80	80	39M5710	24.20
• DSP30-24	24	1.3	31	83	83	39M5717	39.00
• DSP60-24	24	2.5	60	86	86	39M5721	47.00
• DSP100-24/C2	24	3.8	91	89	89	39M5715	61.43
• DSP100-24	24	4.2	100	85	85	39M5714	61.43

* Excludes models: **DSP60-5**, **DSP60-12**, **DSP100-12**, **DSP100-15**, **DSP100-24** (93066)

DPP120-240 SERIES 120W
AND 240W DIN RAIL MOUNT
POWER SUPPLIES
TDK-Lambda
Innovating Reliable Power


- Low cost
- 12V, 24V or 48V outputs
- Auto-ranging input (no manual switching)
- Parallel function switch
- -25 to +71°C operation
- Convection cooled
- 2 year warranty

DPP120-240 series snaps onto DIN Rail TS35/7.5 or TS35/15; go online or call. No tools required.

SPECIFICATIONS:		
Mfg. Part No.	DPP-120	DPP-240
AC Input Voltage Range:	90 - 132 /186- 264VAC, single phase. Auto select	
Input Frequency:	47 - 63Hz	

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DIN RAIL POWER SUPPLIES

DPP120-240 SERIES 120W AND 240W DIN RAIL MOUNT POWER SUPPLIES (CONT.)

SPECIFICATIONS:					
Ripple & Noise (20MHz BW):	50mV		100mV		
Conducted & Radiated EMI:	EN55022 class B		EN55022 class A		
Operating Temperature:	0 to +71°C, derate linearly to 2.5%/°C from 61°C to 71°C				
Safety Agency Approvals:	UL508 Listed, UL60950-1, EN60950-1, CE				
Dimensions:*	2.5W x 4.92H x 4.59"D		3.27W x 4.92H x 4.57"D		

Mfg. Part No.	Output Power (W)	Output 1 VDC +	Output Current 1	Stock No.	Price 1-9
● DPP120-12-1	120	12	10	66M7752	80.00
● DPP120-24-1	120	24	5	66M7753	80.00
● DPP120-48-1	120	48	2.5	66M7754	80.00
● DPP240-24-1	240	24	10	66M7755	120.00
● DPP240-48-1	240	48	5	66M7756	120.00

* Recommend 1" clearance on all sides (103587)

DPP480 SERIES SINGLE OUTPUT DIN RAIL POWER SUPPLY



TDK-Lambda
Innovating Reliable Power



- 90-264 VAC Input
- 120-370 VDC Input
- Active PFC
- Parallel Function Switch
- -25 to +71°C Operation
- Convection Cooled

Mfg. Part No.	Output Power (W)	Output Voltage (V)	Output Current (A)	Dimensions (Inches)			Stock No.	Price 1-9
				Height	Width	Depth		
● DPP480241	480	24	20	4.92	6.89	4.57	83K3881	200.00
● DPP480-48-1	480	48	10	4.92	6.89	4.57	18M4560	200.00

S8VS VISUALLY MONITORING SWITCHING POWER SUPPLIES



OMRON
INDUSTRIAL AUTOMATION

- Ultra-Compact, DIN Mount Package
- Status at a Glance with 7-Segment LED Display
- Incorporates a Maintenance Forecast and Run-Time Monitor
- Three Year Warranty
- Meets UL508



Maintenance forecast monitor displays remaining life of power supply. Run-time monitor displays how long the output has been "ON". 90W and higher models have two outputs: one for undervoltage output and the other for either of the monitoring functions.

Mfg. Part No.	Description	Output Power (W)	Output Voltage (V)	Output Current (A)	Stock No.	Price Each 1-4
● S8VS01505	Standard	10	5	2	57J2940	75.77
● S8VS01512	Standard	15	12	1.2	57J3216	75.77
● S8VS03005	Standard	20	5	4	64J4324	97.73
● S8VS03012	Standard	30	12	2.5	27K5167	97.73
● S8VS03024	Standard	30	24	1.3	27K5168	97.73
● S8VS-06024	Standard	60	24	2.5	77C5986	137.25
● S8VS-06024A	With maintenance forecast monitor	60	24	2.5	88K2002	144.94
● S8VS-06024B	With total run time monitor	60	24	2.5	77C5988	144.94
● S8VS-09024	Standard	90	24	3.75	88K2003	181.17
● S8VS-09024A	With maintenance forecast monitor	90	24	3.75	88K2004	188.86
● S8VS-09024B	With total run time monitor	90	24	3.75	77C5991	188.86
● S8VS-12024	Standard	120	24	5	65H4902	294.89
● S8VS-12024A	With maintenance forecast monitor	120	24	5	86H8287	306.49
● S8VS12024B	With total runtime monitor	120	24	5	67J3081	306.49
● S8VS18024	Standard	180	24	7.5	67J3082	394.68
● S8VS-18024A	With maintenance forecast monitor	180	24	7.5	63J6250	442.39
● S8VS18024B	With total runtime monitor	180	24	7.5	67J3083	442.39

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S8VS VISUALLY MONITORING SWITCHING POWER SUPPLIES (CONT.)

Mfg. Part No.	Description	Output Power (W)	Output Voltage (V)	Output Current (A)	Stock No.	Price Each 1-4
● S8VS-24024	Standard	240	24	10	65H4909	432.27
● S8VS-24024A	With maintenance forecast monitor	240	24	10	86H8284	537.80
● S8VS24024B	With total runtime monitor	240	24	10	67J3084	537.80
● S8VS-48024	Standard	480	24	20	96M0144	677.65
● S8VS-48024B	Total run time monitor	480	24	20	75M2142	785.00
● S8VS-48024A	Maintenance forecast monitor	480	24	20	96M0153	841.46

S8VM SWITCHING POWER SUPPLIES



Just Added



- Compact size with a uniform height
- Input voltage: 100-240VAC
- Output voltage: 24VDC

- Wide power range: 15W-1500W
- DIN rail mounted

Dual undervoltage detection allows clear distinction between input, load or age related features. Transistor output. Captive screw type terminals. 300W, 600W and 1500W models available; go online or call Newark.

Mfg. Part No.	Power Rating (W)	Output Current (A)	Dimensions H x W x D inches (mm)	Stock No.	Price 1-5
● S8VM01524CD	15	650	3.33 x 1.32 x 3.32 (84.5 x 33.5 x 84.5)	80K3134	96.78
● S8VM03024CD	24	1.3	3.33 x 1.32 x 3.32 (84.5 x 33.5 x 99.5)	80K3152	102.31
● S8VM05024CD	50	2.2	3.33 x 1.32 x 4.90 (84.5 x 33.5 x 124.5)	80K3169	128.58
● S8VM10024CD	100	4.5	3.33 x 1.38 x 6.48 (84.5 x 35 x 164.5)	80K3185	175.58
● S8VM15024CD	150	6.5	3.33 x 1.73 x 6.48 (84.5 x 44 x 164.5)	80K3203	228.12
● S8VM-60024C	600	27	3.30 x 4.00 x 7.56 (83.8 x 101.8 x 192)	40M9588	846.09

GENERAL PURPOSE DIN RAIL MOUNTABLE SWITCHING POWER SUPPLIES



- Rated Input Voltage: 100 to 240VAC
- Universal Voltage Range
- All Models are UL 508 Listed
- Class 2 Approval
- Parallel Operation Capability on 100W Models
- 3-Year Warranty



S82K-05024

S82K-10024

Leakage current is 0.2mA max. at 100V input and 1mA max. at 200V input. Inrush current is 15A max. at 100V input for 3W-15W models and 25A max. for 30W-240W models and 30A max. at 200V input for 3W-15W models and 50A max. for 30W-240W models. Available DIN rails include mfg. part no. PFP-50N (0.5m x 7.3mm), mfg. part no. PFP-100N (1m x 7.3mm) and mfg. part no. PFP-100N2 (1m x 16mm). Noise filters also available. Mfg. part no. S82Y-JF3-N is for use with 3W to 50W models; mfg. part no. S82Y-JF6-N is for use with 90W and 100W models. 240W model is also available with power factor correction; finger-safe terminal block with cover according to VDE0106/P100, undervoltage alarm indicator; (DC Low Indicator), conforms to FCC Class B (3-W - 50W), or FCC Class A (90W - 240W). go online or call.

DIMENSIONS: INCHES(mm)

Power Rating (W)		H	W	D
3, 7.5		2.95 (75)	1.48 (37.5)	2.56 (65)
15		2.95 (75)	1.77 (45)	3.58 (91)
30, 50		2.95 (75)	3.54 (90)	3.58 (91)
90, 100		2.95 (75)	5.71 (145)	3.58 (91)

Mfg. Part No.	Power Rating (W)	Output Voltage (V)	Output Current (A)	No. of Outputs	Stock No.	Price Each 1-5
● S82K-00305	3	5	0.6	1	93B8348	55.01
● S82K-00312	3	12	0.25	1	92B8288	55.01
● S82K-00324	3	24	0.13	1	97B4606	55.01
● S82K-00705	7.5	5	1.5	1	96B6211	60.61
● S82K-00712	7.5	12	0.6	1	19C7327	60.61
● S82K-00715	7.5	15	0.5	1	73C9546	60.61
● S82K-00724	7.5	24	0.3	1	88K1243	60.61
● S82K-00727	7.5	12/12	0.3/0.2	2	88K2728	67.29

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DIN RAIL POWER SUPPLIES

GENERAL PURPOSE DIN RAIL MOUNTABLE SWITCHING POWER SUPPLIES (CONT.)

Mfg. Part No.	Power Rating (W)	Output Voltage (V)	Output Current (A)	No. of Outputs	Stock No.	Price Each 1-5
● S82K-00728	7.5	15/-15	0.2/0.2	2	88K2729	67.29
● S82K-01505	15	5	2.5	1	16F3267	91.05
● S82K-01512	15	12	1.2	1	52F4202	91.05
● S82K-01524	15	24	0.6	1	52F4203	91.05
● S82K-03005	30	5	5	1	27M2894	122.82
● S82K-03024	30	24	1.3	1	05H9687	122.82
● S82K-05024	50	24	2.1	1	18M7772	140.98
● S82K-09024*	90	24	3.75	1	27M2895	185.84
● S82K-10024*	100	24	4.2	1	52F4207	196.52

*Input voltage: 100/240VAC selectable (3606)

GENERAL PURPOSE DIN RAIL SWITCHING POWER SUPPLIES



- Models Range from 10 to 600W
- UL 508 Approval
- Class 2 Approval on Models Below 100W
- Universal Input or Selectable Output
- 3-Year Warranty



Mfg. part no. S82J economical and compact switching power supplies feature built-in overload protection and operation indicators. Convection cooled. FCC class A. Mounting brackets included. To order without mounting bracket add N to the end of the mfg. part no. number. Front-mounting bracket mfg. part no. S82Y-J10F, covers series S82Y-J, fan mfg. part no. S82Y-JC-T and noise filters mfg. part no. S82Y-JF3-N (300W models) and S82Y-JF6-N (600W models) also available, go online or call.

POWER SUPPLIES

DIMENSIONS: 3.82 X 1.38 X 4.02" OR 97 X 35 X 102mm (H X W X D)

Mfg. Part No.	Input Voltage (VAC)	Power Rating (W)	Output Voltage (V)	Output Current (A)	Config.	Stock No.	Price Each 1-4
● S82J-01012A	100 to 240	10	12	1	Open Frame	34C8200	53.40

DIMENSIONS: 3.82 X 1.57 X 5.34" OR 97 X 40 X 136mm (H X W X D)

● S82J-02524D	100 to 240	25	24	1.1	Enclosed	18M7768	80.10
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DIMENSIONS: 3.82 X 1.57 X 7.17" OR 97 X 40 X 182mm (H X W X D)

● S82J-05012A	100 to 240	50	12	4.2	Open Frame	18M7769	111.08
● S82J-05012D	100 to 240	50	12	4.2	Enclosed	89C3211	106.80
● S82J-05024D	100 to 240	50	24	2.1	Enclosed	18M7770	106.80

DIMENSIONS: 3.82 X 1.97 X 7.56" OR 97 X 50 X 192mm (H X W X D)

● S82J-10024A	100 to 240	100	24	4.5	Open Frame	73C0999	218.46
● S82J-10024D	100 to 240	100	24	4.5	Enclosed	19C1760	154.86

DIMENSIONS: 3.98 X 1.97 X 8.27" OR 101 X 50 X 210mm (H X W X D)

● S82J-10005A	100 to 240 *	100	5	20	Open Frame	73C0299	161.06
● S82J-15024D	120 or 240 *	150	24	6.5	Enclosed	18M7771	213.60

DIMENSIONS: 3.78 X 4.27 X 7.87" OR 96 X 120 X 200mm (H X W X D)

● S82J-30024	120 or 230 *	300	24	14	Enclosed	48F1112	534.00
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* Automatically selected.

** Selectable

DIN RAIL TRACKS

Mfg. Part No.	Description	Stock No.	Price Each 1-49
● PFP-100N	DIN Rail Mounting Track, 1m x 7.3mm	17M7511	5.92
● PFP-100N2	DIN Rail Mounting Track, 1m x 16mm	34K8630	12.62
● PFP-50N	DIN Rail Mounting Track, 50cm x 7.3mm	93B2043	4.72
● PFP-M	End Plate	36K3451	0.75
● PFP-S	Spacer	17M7510	0.44

(3607)

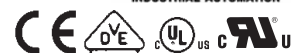


(148830)

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BLOCK TYPE POWER SUPPLY SYSTEMS



- AC/DC Bus System
- Input: 100 to 240VAC (85 to 264VAC), 50/60Hz (47Hz to 63Hz)
- Up to Four Blocks Can Be Connected to Increase Power From 60 to 240W
- N + 1 Redundant Capability (12 and 24V Models)
- Easy Creation of Multi-Power Supply Configuration With Different Output Power Supplies (24, 12, and 5V Models)
- Over Current Protection
- Over Voltage Protection
- Class II Output and Class I Division 2 Approved
- Complies with EN6100-3-2 (Limits for Harmonic Current)
- Outside Dimensions: 128.1 x 48 x 120" (5.04 x 1.90 x 4.72mm)

For use with mfg. part no. PFP-50N 0.5m x 7.3mm, mfg. part no. PFP-100N 1m x 7.3mm and mfg. part no. PFP-100N2 1m x 16mm DIN rail tracks, and mfg. part no. PFP-M end plate.

BASIC BLOCK

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Description	Stock No.	Price Each 1-14
● S8TS-02505F	5	5	Without Bus Line Connector	29C7948	169.65
● S8TS-03012F-E1	12	2.5	With Bus Line Connector	29C7959	178.33
● S8TS-06024F-E1	24	2.5	With Bus Line Connector	29C7965	169.83

BUS LINE CONNECTOR

Mfg. Part No.	Description	Package Unit	Stock No.	Price Each 1-14
● S8T-BUS01	AC/DC Line Bus for Parallel Operation	1 Connector	29C7972	9.47

(70341)

SDP-T SERIES DIN RAIL POWER SUPPLIES



- Low output noise
- PowerBoost™ industrial overload design
- 10°C to 60°C with no derating
- Ripple less than 50mVp-p
- Screw terminal connections
- Input Voltage: 85 to 264 VAC; 90 to 375 VDC (except where noted*)

High efficiency (85 to 88%) compact power supplies provide fast connection, short circuit, overload and underload protection. Each unit contains a DC indicator and front panel adjustment potentiometer.

Mfg. Part No.	DC Output Voltage	Output Current (A)	Dimensions (Inches)			Stock No.	Price Each 1-4
			H	W	D		
● SDP5-5-100T	5 to 6	5	2.95	1.77	3.58	78K6127	107.69
● SDP2-12-100T	10 to 12	2.5	2.95	1.77	3.58	78K6124	120.42
● SDP3-15-100T	12 to 15	4.2 to 3.4	2.95	1.77	3.58	78K6126	133.15
● SDP1-48-100T	48 to 56	1	2.95	1.77	3.58	78K6123	121.40
● SDP06-24-100T	24 to 28	0.6	2.95	0.9	3.8	78K6121	58.34
● SDP1-24-100T	24 to 28	1.3	2.95	1.77	3.58	78K6122	81.07
● SDP2-24-100T	24 to 28	2.1	2.95	1.77	3.58	78K6125	109.07
● SDP4-24-100RT*	24 to 28	4.2	2.95	2.85	3.8	16M0092	142.89

*Class 1 limited power source rating; Input Voltage: 210 to 375VDC. (77675)

SDN-C SERIES COMPACT DIN RAIL POWER SUPPLIES



Features:

- Compact packaging to save space on the DIN rail: 27% reduction in width along the rail compared to 10A model, 23% reduction compared to 5A model
- New visual diagnostic LED's for input/output status
- Higher efficiency saves energy and lowers amount of heat generated in panel
- PowerBoost™ overload capability to start high inrush loads
- Accepts universal voltage 85-264VAC, 50/60 Hz input
- Meets SEMI F47 Sag Immunity
- Power factor correction meets EN61000-3-2
- Class 1, DIV 2 hazardous locations rating: ATEX approval
- Patented DIN rail mounting clip
- User adjustable output voltage accessible via front face
- Parallel capability standard
- Industrial grade design: -10° to 60°C operation without derating, rugged metal case and DIN connector
- LED's for status; large, rugged, accessible screw terminals; easy on/off DIN mounting
- Fully tested and burned in at the factory
- High MTBF means high reliability and long life

SDN-C series DIN rail power supplies are the next generation of the popular SDN series. These models combine high efficiency and compact size with new visual diagnostic LED's. Features include sag immunity, power factor correction, and universal voltage input. Wide temperature operating range and parallel operation capability make the new SDN-C units suitable to a variety of industrial applications.

► CONTINUED ►

DIN RAIL POWER SUPPLIES

SDN-C SERIES COMPACT DIN RAIL POWER SUPPLIES (CONT.)

Mfg. Part No.	Output Voltage (DC)	Output Current (A)	Input Current (A)	Input Voltage (VAC)	Dimensions (in.)			Stock No.	Price Each
					H	W	D		
● SDN 5-24-100C	23.5-28.5	5	1.65-55	85-264	4.88	1.94	4.55	40M7849	239.77
● SDN 10-24-100C	23.5-28.5	10	3.2-1.0	85-264	4.88	2.37	4.55	40M7848	349.12
SDN20-24-100C	23.5-28.5	20	6A / 3A	85-264	4.88	3.42	4.98	10R6981	580.86

(81205)

SDN-P SINGLE PHASE DIN RAIL POWER SUPPLIES

- Easy to Mount and Connect
- High Efficiency (>88%)
- Ripple <50mVpp
- Input Voltage: 115/230VAC (Auto Select)
- Output Voltage: 24-28VDC Adj.
- High MTBF and Reliability
- Indefinite Short Circuit, Overvoltage and Overtemperature Protection
- >20ms Hold-Up
- -10°C to 60°C with No Derating
- 5-Year Warranty
- Selectable Single- or Parallel-Use
- Class 1, Division 2 Hazardous Location
- Power Factor Correction

12 VDC

Mfg. Part No.	Output Current (A)	Dimensions (in.)			Stock No.	Price Each
		H	W	D		
● SDN-9-12-100P	9	4.88	2.56	4.55	01N5181	234.32
● SDN-16-12-100P	16	4.88	3.26	4.55	12P4741	341.18

24 VDC

● SDN2.5-24-100P*	2.5	4.88	1.97	4.55	49H7684	151.97
● SDN4-24-100LP	4	4.88	2.56	4.55	64K0509	223.54
● SDN 5-24-100P	5	4.88	2.56	4.55	47M2369	234.32
● SDN10-24-100P**	10	4.88	3.26	4.55	80K9315	341.18

48 VDC

● SDN-5-48-100P	5	4.88	3.26	4.55	12P4742	341.18
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REDUNDANCY MODULES — SINGLE PHASE SDN SERIES

Mfg. Part No.	For Use With	Stock No.	Price Each
● SDN2.5-20 RED	SDN Series Models: SDN2.5-24-100P, SDN4-24-100P, SDN5-24-100P, SDN10-24-100P, SDN20-24-100P	39M5519	67.65

ACCESSORY

Mfg. Part No.	Description	Stock No.	Price 1-4
● SDN-PMBRK2	Chassis Mount Bracket	68H8557	5.89

* Class 2 limited power source rating

** Meets OSHA Requirements for DeviceNet Power Supplies

(61681)

SDN SERIES THREE PHASE DIN RAILS

- Easy to Mount and Connect
- High Efficiency (>90%)
- High MTBF and Reliability
- High Grade and Low Stress Design Components
- Short Circuit Protection
- Overvoltage and Over Temperature Protection
- Auto Select 115/230 VAC, 50/60 Hz Input
- Output voltage, 22.5-28.5V Adj.
- Ripple and noise, <50mVpp
- >20ms Hold-Up
- -10°C to 60°C With No Derating

Mfg. Part No.	Output Current (A)	Power (W)	Dimensions (Inches)			Stock No.	Price Each
			H	W	D		
● SDN5-24-480	5	120	4.88	2.91	4.55	21M5196	259.04
● SDN10-24-480	10	240	4.88	3.50	4.55	21M5192	359.14
● SDN20-24-480C	20	480	4.88	5.90	4.55	21M5194	503.62
● SDN30-24-480	30	720	4.88	9.72	4.55	21M5195	666.68
● SDN40-24-480	40	960	4.92	11.10	4.55	83F2951	803.93

REDUNDANCY MODULES — THREE PHASE SDN SERIES

Mfg. Part No.	For Use With	Stock No.	Price 1-4
● SDN30/40 RED	SDN Series Models: SDN5-24-480, SDN10-24-480, SDN20-24-480C, SDN30-24-480, SDN40-24-480	39M5520	116.67

ACCESSORY

Mfg. Part No.	Description	Stock No.	Price 1-4
● SDN-PMBRK2	Chassis Mount Bracket	68H8557	5.89

(70055)

RUGGED SCP ENCAPSULATED SERIES

- Wide Range of Output Voltages
- DIN Rail or Chassis Mount
- Single- and Multiple-Output Voltages
- Screw Terminations with 12AWG
- Compact, Space-Saving Design
- Temperature Range: 0°C to +50°C
- Input Voltage: 85-264VAC
- Ripple < 50mVpp
- Dimensions: 4.72(H) x 2.55(W) x 1.29(D)
- 5-Year Warranty



B-DN Slim Line and DN Low Profile

Slim-line DIN rail mount only versions available, change mfg. part no. suffix to B-DN (i.e., SCP3053.3B-DN).

Mfg. Part No.	DC Output Voltage	Output Current	Stock No.	Price Each
● SCP30S3.3-DN	3.3V	6.0A	83F2959	163.87
● SCP30S5-DN	5V	6.0A	73K1363	156.43
● SCP30S12-DN	12V	2.5A	73K1357	155.19
● SCP30S15-DN	15V	2.0A	16M0089	155.19
● SCP30D12-DN	±12V	1.2/1.2A	73K1352	175.05
● SCP30D15-DN	±15V	1.0/1.0A	73K1353	175.05
● SCP30D512-DN	5V/12V	3.0/1.2A	73K1355	180.02
● SCP30D524-DN	5V/24V	3.0/0.6A	73K1356	180.02
● SCP30T512-DN	5V±12V	3.0/0.6/0.6A	73K1365	189.96
● SCP30T515-DN	5V±15V	3.0/0.5/0.5A	73K1366	189.96
● SCP30S24-DN	24V	1.3A	73K1360	155.19
● SCP30S48-DN	48V	0.6A	73K1362	155.19

(62681)

SCL 4-T0-10 WATT ENCAPSULATED

- DIN or Chassis Mount
- Linear Technology for Quiet DC Performance
- Fast Transient Response
- Encapsulated Packaging
- Simple Snap-On for DIN Rail TS35/7.5 or TS35/15
- Chassis-Mounting Possible by Removing DIN Clips
- Input Voltage 115/230VAC
- Ripple < 5mVpp



Mfg. Part No.	DC Output Voltage	Output Current	Stock No.	Price Each
● SCL4D12-DN	12V	0.13/0.13A	73K1350	84.67
● SCL10D12-DN	12V	0.35/0.35A	73K1346	122.12
● SCL4D15-DN	15V	0.10/0.10A	73K1351	86.67
● SCL10D15-DN	15V	0.30/0.30A	73K1347	122.12
● SCL10T512-DN	5V/±12V	0.20/0.30/0.30A	73K1348	132.89
● SCL10T515-DN	5V/±15V	0.20/0.25/0.25A	73K1349	132.89

(62682)

SFL SERIES

- Fully Enclosed, Metal DIN Mount Construction
- 75-600 Watts
- Selectable Input (115/230VAC)
- Ripple and noise (20MHz bandwidth) <50mVpp
- Pluggable Screw Connectors for Easy Installation and Service
- Front Panel DC OK Indicators
- Easily Accessible AC and DC Connections
- 12-, 24- and 48-Volt Models



Mfg. Part No.	DC Output Voltage (V)	Output Current (A)	Dimensions (Inches)			Stock No.	Price Each
			H	W	D		
● SFL12-24-100	24	12	4.51	8.14	3.26	73K1369	422.27
● SFL24-24-100	24	24	6.97	9.56	3.25	73K1371	700.69
● SFL12-48-100	48	12	6.97	9.56	3.25	73K1370	704.45

REDUNDANT POWER SUPPLIES

Redundant power supply systems allow for up to 5 power supplies to be paralleled. Multiple units are required for redundancy.

● SFL12-24-100RED	24	12	4.51	8.14	3.26	50H7605	623.60
● SFL24-24-100RED	24	24	6.97	9.56	3.25	29C6319	873.28

OPTIONAL MOUNTING BRACKETS

For easy conversion to panel or chassis mounting.

Mfg. Part No.	Output Power Max. (W)	Stock No.	Price Each
● SFL75-PMBRK	75	11J6219	21.31
● SFL150-PMBRK	150	92H5986	22.49
● SFL300-PMBRK	300	08H0443	22.49
● SFL600-PMBRK	600	27C5190	23.68

(62683)

DIN RAIL POWER SUPPLIES • SWITCHING POWER SUPPLIES

DNR10-60 SERIES DIN RAIL MOUNT SWITCHING POWER SUPPLIES

Just Added



- Rugged design for industrial applications
- Up to 89% efficiency
- Wide adjustment range
- DC OK 24 V models
- Full power to +60°C
- Connector options



DNR05-60 series DIN rail mount industrial AC/DC power supplies feature over voltage, overload and short circuit protection. Convection cooled. 30-60W models are suitable for battery-charging applications. DC standby versions are also available; go *online* or *call*. CE compliant, TÜV approved and UL508 listed, UL1310 (except DNR30US05, DNR60US05 and DNR60US12).

SPECIFICATIONS:

Input Voltage:	90-264 VAC, 120-370 VDC: DNR10/18 85-264 VAC, 90-375 VDC: DNR30/60
Line Regulation:	10-18 W: $\pm 1.0\%$ max 30-60 W: $\pm 0.5\%$ max
Load Regulation:	10-18 W: $\pm 2.0\%$ max 30-60 W: $\pm 0.5\%$ max
Isolation Voltage:	3000 VAC Input to Output 1500 VAC Input to Ground 500 VAC Output to Ground
Ripple & Noise:	50 mV pk-pk, 20 MHz BW
MTBF:	200 kHrs typical per MIL-HDBK-217F GF, +40°C
Operating Temperature:	-10°C to +70°C. DNR10 derate linearly from 100% load at +60°C to 70% load at +70°C. DNR18 derate linearly from 100% load at +50°C to 60% load at +70°C. DNR30/60 derate linearly from 100% load at +60°C to 75% load at +70°C.
Dimensions:	0.89W x 3.48H x 4.53"L 10/18W Models 1.59W x 3.60H x 4.53"L 30/60W Models

Mfg. Part No.	Power (W)	Output Voltage Trim (V)	Output Voltage (V)	Output Current (A)	Efficiency %	Stock No.	Price Each 1-4
● DNR10US05	10	4.5-5.75	5	2	73	19P1915	23.00
● DNR10US12	10	10.8-13.8	12	0.84	75	19P1916	23.00
● DNR10US15	10	13.5-17.25	15	0.67	76	19P1917	23.00
● DNR10US24	10	21.6-28.8	24	0.42	76	66M8131	23.00
● DNR18US05	18	4.5-5.75	5	3	75	19P1920	35.00
● DNR18US12	18	10.8-13.8	12	1.5	77	19P1921	35.00
● DNR18US15	18	13.5-17.25	15	1.2	77	19P1922	35.00
● DNR18US24	18	21.6-28.8	24	0.75	77	88M3106	35.00
● DNR30US05	30	5-5.5	5	6	79	19P1925	37.00
● DNR30US12	30	12-14	12	2.5	84	88M3108	37.00
● DNR30US24	30	24-28	24	1.25	86	19P1926	37.00
● DNR30US48	30	48-55	48	0.625	86	19P1927	37.00
● DNR60US05	60	5-5.5	5	10	79	19P1930	44.00
● DNR60US12	60	12-14	12	5	86	19P1931	44.00
● DNR60US24	60	24-28	24	2.5	89	19P1932	44.00
● DNR60US48	60	48-55	48	1.25	89	19P1933	44.00

(136304)

DNR120-480 SERIES DIN RAIL MOUNT SWITCHING POWER SUPPLIES

Just Added



- Up to 90% efficiency
- Wide adjustment range
- Parallel function
- Full Power to +60°C
- UL6950 and UL508



DNR120-480 series DIN rail mount AC/DC power supplies feature over voltage, overload and short circuit protection. Convection cooled. A maximum of 3 units can be paralleled. Total power available is 90% of the rated current of each unit when used in parallel. DC standby versions are also available; go *online* or *call*. CE compliant, TÜV approved and UL listed.

SPECIFICATIONS:

Input Voltage:	DNR120AS: 90-132/186-264 VAC, auto select, 210-370 VDC DNR240PS: 93-132/186-264 VAC, auto select, 210-370 VDC DNR480PS: 90-264 VAC, 120-370 VDC
Line Regulation:	$\pm 0.5\%$ max
Load Regulation:	$\pm 1\%$ ($\pm 5\%$ for units in parallel)*
Isolation Voltage:	3000 VAC Input to Output 1500 VAC Input to Ground 500 VAC Output to Ground
Ripple & Noise:	120 W models: 50 mV pk-pk 240-480 W models: 100 mV pk-pk, 20 MHz BW
MTBF:	200 kHrs typical per MIL-HDBK-217F GF, +40°C

➔ CONTINUED ➔

DNR120-480 SERIES DIN RAIL MOUNT SWITCHING POWER SUPPLIES (CONT.)

SPECIFICATIONS:

Operating Temperature:	DNR120-240: -10°C to +70°C, derate linearly from +60°C at 2.5%/°C DNR480 PS: -25°C to +70°C, derate linearly from +55°C at 2.5%/°C
Dimensions:	2.50W x 4.92H x 4.57"L DNR120AS Models 3.27W x 4.92H x 4.57"L DNR240PS Models 6.89W x 4.92H x 4.57"L DNR480PS Models

Mfg. Part No.	Power (W)	Output Voltage Trim (V)	Output Voltage (V)	Output Current (A)	Efficiency %	Stock No.	Price Each 1-4
● DNR120AS12-I	120	11.4-14.5	12	10	84	19P1918	67.00
● DNR120AS24-I	120	22.5-30	24	5	86	07R8083	67.00
● DNR120AS48-I	120	45-55	48	2.5	87	19P1919	67.00
● DNR240PS24-I	240	22.5-28.5	24	10	89	19P1923	102.00
● DNR240PS48-I	240	47-56	48	5	90	19P1924	102.00
● DNR480PS24-I	480	22.5-28.5	24	20	89	19P1928	189.00
● DNR480PS48-I	480	47-56	48	10	90	19P1929	189.00

*Add suffix '-I' to DNR120LS model number for parallel function (136305)

SINGLE AND MULTIPLE 110 TO 350W OUTPUT POWER SUPPLIES



- Input range: 85-264VAC, 120-370VDC
- Frequency: 47-440Hz
- High Efficiency
- Remote Sense
- Built-In EMI Filter
- Low Output Ripple
- Adjustable Output
- Overvoltage, Overload and Thermal Overload Protection



110W; 1.80 x 4.00 x 7.00" (H x W x L)

Mfg. Part No.	Output 1	Output 2	Output 3	Output 4	Stock No.	Price Each 1-2
● LPS113	12VDC @ 6.7A (9.2A)	...	...	...	52F103	121.02
● LPS114	15VDC @ 5.3A (7.3A)	...	...	...	52F104	121.02
● LPS118	48VDC @ 1.7A (2.3A)	...	...	...	01M8182	113.10

130W; 1.29 x 3.00 x 5.00" (H x W x L)

● LPS121	3.3VDC @ 21A (36A)	...	...	...	70K2997	162.32
● LPS 122	5VDC @ 16A (26A)	...	...	...	31K9270	157.94
● LPS123	12VDC @ 6.7A (10.8A)	...	...	...	70K2998	162.32
● LPS125	24VDC @ 3.4A (5.4A)	...	...	...	45H3154	157.94
● LPS128	48VDC @ 1.7A (2.7A)	...	...	...	60H8174	157.94

145W; 1.50 x 4.00 x 7.00" (H x W x L)

● LPQ142	5VDC @ 12A (25A)	12V @ 5A (16A)	-12V @ 1A (1.5A)	± 3.3 -25V @ 3.5A (4.5A)	67K0321	207.00
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150W; 1.50 x 4.25 x 8.50" (H x W x L)

● LPS152	5VDC @ 30A (30A)	...	...	...	52F107	210.28
● LPS153	15VDC @ 12.5A (12.5A)	...	...	...	52F108	210.28
● LPS155	28VDC @ 6.2A (6.2A)	...	...	...	67K0327	210.28
● LPQ152	5VDC @ 15A (22A)	12V @ 6A (8A)	-12V @ 2A (2.5A)	± 5 -25V @ 2.5A (3A)	52F116	226.16
● LPQ153	5VDC @ 15A (22A)	15V @ 4.8A (6.4A)	-15V @ 1.6A (2A)	± 5 -25V @ 2.5A (3A)	67K0324	226.16
● LPQ154	5VDC @ 15A (22A)	12V @ 6A (8A)	-12V @ 2A (2.5A)	24V @ 3.5A (4.5A)	67K0325	226.16

170W; 1.50 x 4.25 x 8.50" (H x W x L)

● LPS172	5VDC @ 22A (35A)	...	...	...	67K0328	229.27
● LPS173	12VDC @ 9.1A (15A)	...	...	...	67K0329	229.27
● LPS174	15VDC @ 7.3A (7.5A)	...	...	...	67K0330	229.27
● LPS175	24V @ 4.5A (7.5A)	...	...	...	67K0331	245.33
● LPQ172	5VDC @ 15A (30A)	12V @ 6A (8A)	12V @ 2A (3A)	3.3-25V @ 4A (5A)	67K0326	246.68
● LPQ173	5VDC @ 10A (30A)	12V @ 6A (8A)	-12V @ 0.2A (3A)	3.3-5V @ 10A (5A)	24K4621	263.85

250W; 2.00 x 5.00 x 10.32" (H x W x L)

● LPS252-C	5V @ 1.5A (50A)	...	...	...	38C8403	328.27
● LPS253-C	12V @ 0.63A (21A)	...	...	...	32M1307	319.40

➔ CONTINUED ➔

SWITCHING POWER SUPPLIES

SINGLE AND MULTIPLE 110 TO 350W OUTPUT POWER SUPPLIES (CONT.)

250W; 2.00 x 5.00 x 10.32" (H x W x L)

Mfg. Part No.	Output 1	Output 2	Output 3	Output 4	Stock No.	Price Each
LPS254-C	15V @ 0.50A (16.7A)	...	...	...	38C8404	328.27
● LPS255-C	24V @ 0.32A (10.4A)	...	...	...	92B3730	319.40
● LPQ252-C	5V @ 35A (35A)	12V @ 10A (10A)	-12V @ 6A (6A)	±5-25V @ 6A (6A)	38C8398	349.15
● LPQ253-C	5V @ 3A (35A)	15V @ 0A (10A)	-15V @ 0A (6A)	±5-25V @ 0A (6A)	94B1120	349.15

350W; 2.50 x 5.00 x 10.78" (H x W x L)

● LPS352-C	5VDC @ 70A (70A)	...	...	...	16F7031	436.43
● LPS353-C	12VDC @ 29.2A (29.2A)	...	...	...	32M1308	407.88
● LPS354-C	15VDC @ 23.3A (23.3A)	...	...	...	16F7033	436.43
● LPS355-C	24VDC @ 14.6A (14.6A)	...	...	...	16F7034	407.88
● LPQ352-C	5VDC @ 50A (50A)	12V @ 12A (50A)	-12V @ 6A (50A)	±3.3-24V @ 6A (50A)	16F7035	476.10
● LPQ353-C	5VDC @ 50A (50A)	12V @ 12A (50A)	-12V @ 6A (50A)	±3.3-24V @ 6A (50A)	16F7036	476.10

(Indicates forced air cooling)

MATING CONNECTOR KITS

Mfg. Part No.	Description	Stock No.	Price Each
70-841-020	LPS120 Series Mating Connector Kit	61H3206	9.90
70-841-017	LPQ142 Mating Connector Kit	07H7575	9.90
70-841-009	LPS150 Series Mating Connector Kit	16C7360	9.90
70-841-016	LPS170 Series Mating Connector Kit	61H3204	9.90
70-841-015	LPQ170 Series Mating Connector Kit	61H3203	9.90
70-841-005	LPS250 Series Mating Connector Kit	27C7690	9.90
70-841-011	LPX 350 Series Mating Connector Kit	10C2595	12.20

COVERS

● LPX-150-C	LP150 Series Cover	67K0332	11.56
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(70272)

TLP150 SERIES 150 WATT SINGLE OUTPUT AC/DC POWER SUPPLIES

- 150 W on main channel with only 200 LFM
- Low profile fits 1U applications
- Active PFC and EN61000-3-2 compliant
- Integrated or-ing diode
- Active current sharing
- Integrated control and monitoring features
- Compliance to EN55022-B conducted noise standard
- 12 V fan output
- 5 V standby output (optional with F suffix)
- 2 year warranty

TLP150 series 150 watt universal input AC/DC power supplies include over current, over voltage and over temperature protection. The main output channel is compatible with systems that implement distributed power and point-of-load architectures. It can also be used to power electromechanical devices such as relays, motors and pumps. TLP150 medical series has a low earth leakage current suitable for use in medical equipment.

STANDARD SERIES — DIMENSIONS: 5L x 3W x 1.25"H

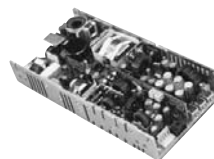
Mfg. Part No.	DC Output Voltage (V)	Output Current (A)*	Output Power (W)	Efficiency % (Typ.)	Stock No.	Price Each
● TLP150R-96S12FJ	12	12.5	150	81	77K8843	188.02
● TLP150R-96S12J	12	12.5	150	81	77K8844	163.50
● TLP150R-96S24FJ	24	6.3	150	81	77K8845	188.02
● TLP150R-96S24J	24	6.3	150	81	77K8846	163.50
● TLP150R-96S36J	36	4.2	150	81	95M8337	163.50
● TLP150R-96S48FJ	48	3.2	150	81	77K8847	188.02
● TLP150R-96S48J	48	3.2	150	81	77K8848	163.50

MEDICAL SERIES

● TLP150N-99S12FJ	12	12.5	150	81	77K8839	206.42
● TLP150N-99S12J	12	12.5	150	81	77K8840	179.85
● TLP150N-99S24FJ	24	6.3	150	81	30M2714	206.42
● TLP150N-99S24J	24	6.3	150	81	77K8841	179.85

*Forced air, 20 CFM at 1 atmosphere, 150 W maximum (110630)

NTS AND NTQ SERIES NETWORKING 70 - 350W SINGLE AND QUAD OUTPUT



NTQ

NTS

- Input Range: 85 - 26VAC
- Frequency: 47 - 63Hz
- Active power factor correction
- Remote sense
- Power fail and remote inhibit

- Wide range voltage adjust on outputs 1 and 2 (Mfg. Part No. NTQ160)
- Over voltage, overload and thermal overload Protection

Dimensions: NTS350 Series and mfg. part nos. NTQ123 - 7.0L x 1.5H x 4.0"W, NTQ160 = 8.5L x 1.5H x 4.25"W.

Mfg. Part No.	Output 1 V @ A	Output 2 V @ A	Output 3 V @ A	Output 4 V @ A	Stock No.	Price Each
● NTS353	12 @ 16.6 (29.2A)	...	...	...	97H0853	529.12
● NTS355	24 @ 8.3 (14.6A)	...	...	...	95M8336	494.50
● NTS358	48 @ 4.2 (7.3A)	...	...	...	24K4665	529.12
● NTS359	54 @ 3.7 (6.5A)	...	...	...	06M5738	529.12
● NTQ123	3.3 @ 14 (25A)	5 @ 12.5 (24A)	12 @ 1 (4.5A)	12 @ 0.5 (1A)	88F5318	227.75
● NTQ162	3.3 @ 15 (30A)	5 @ 10 (20A)	12* @ 2 (4.5A)	12* @ 2 (4.5A)	31M9179	294.55
● NTQ163	5 @ 15 (30A)	3.3 @ 10 (20A)	12* @ 2 (4.5A)	12* @ 2 (4.5A)	69K2679	294.55
NTQ165	3.3 @ 15 (30A)	2.5 @ 10 (20A)	5* @ 2 (4A)	12* @ 2 (4A)	38C8415	325.43

*Outputs are floating; (i) Indicates forced air cooling

MATING CONNECTOR KITS

Mfg. Part No.	Description	Stock No.	Price Each
70-841-022	NTS 350 Series Mating Connector Kit	24K6719	11.88
70-841-012	NTQ123 Mating Connector Kit	72C9109	12.20
70-841-014	NTQ160 Series Mating Connector Kit	61H3202	11.88

(70273)

FPS SERIES FRONT END POWER SUPPLIES



- 1U high
- Up to 3000W, 3 units, in 19" rack
- Hotswap capable, o-ring diodes built-in
- High efficiency
- Full array of signals

Mfg. part no. FPS100024 utilizes less cabinet space and provides easier system monitoring. Suitable for N+1 redundancy. Less heat dissipated in system.

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Power (W)	Stock No.	Price Each
● FPS100024	24	40	960	71K3965	600.00
● FPS100032	32	31	992	80K8505	600.00
● FPS100048	48	21	1008	73J5064	600.00

1U RACK

● FPS1U	3-Slot Rack with 2 Blanking Panels	16M8664	640.00
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(84552)



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(148833)

SWITCHING POWER SUPPLIES

LS SERIES SINGLE OUTPUT
GENERAL PURPOSE POWER
SUPPLIES
TDK-Lambda
Innovating Reliable Power

Just Added



- Small size
- 115VAC or 230VAC input
- Withstands 300VAC surges (5s)
- 3 year warranty



Ideal for use in test and measurement, and automated service applications. Power factor meets EN61000-3-2, -3.

SPECIFICATIONS:						
Mfg. Part No.	LS25	LS35	LS50	LS75	LS100	LS150
AC Input Voltage (300 VAC for 5s):	88 - 264VAC (See note 2 for LS100)					88-132/ 176- 264VAC (1)
Input Frequency:	47 - 63Hz					
DC Input Voltage:	125 - 373VDC					248- 273VDC
Operating Temperature:	-25°C to +70°C. Derate linearly to 50% load from +50°C to +70°C (2)					
Safety Agency Approvals:	UL60950-1, EN60950-1, IEC60950-1, CE Mark					
Conducted and Radiated EMI:	EN55011/EN55022-B, FCC-B					
Dimensions (L x W x H"):	3.1 x 2.0 x 1.1"	3.9 x 3.2 x 1.4"	3.9 x 3.8 x 1.4"	5.1 x 3.8 x 1.5"	6.3 x 3.8 x 1.5"	7.8 x 3.9 x 1.5"

Mfg. Part No.	Output 1 (VDC) +	Output Power (W)	Output Current 1 (A)	Efficiency (%)	Stock No.	Price Each
● LS25-3.3	3.3	20	6	75	57P6385	25.67
● LS25-5	5	25	5	79	06R2927	16.80
● LS25-12	12	25	2.1	83	10R7004	16.50
● LS25-15	15	26	1.7	83	06R2923	16.50
● LS25-24	24	26	1.1	84	06R2924	16.50
● LS25-36	36	27	0.75	84	06R2925	16.80
● LS25-48	48	27	0.57	85	06R2926	16.80
● LS35-3.3	3.3	23	7	75	06R2929	19.00
● LS35-5	5	35	7	78	06R2932	19.00
● LS35-12	12	36	3	82	10R7005	18.25
● LS35-15	15	36	2.4	83	06R2928	18.25
● LS35-24	24	36	1.5	84	06R1736	27.93
● LS35-36	36	36	1	84	06R2930	19.00
● LS35-48	48	38	0.8	84	06R2931	19.00
● LS50-3	3.3	33	10	75	10R2204	20.75
● LS505	5	50	10	80	08N3007	20.75
● LS5012	12	50	4.2	84	08N3001	20.41
● LS5015	15	51	3.4	85	08N3002	20.41
● LS5024	24	53	2.2	86	08N3003	20.41
● LS5036	36	50.4	1.4	86	08N3005	20.41
● LS5048	48	52.8	1.1	86	08N3006	20.41
● LS753	3.3	49.5	15	75	08N3011	23.95
● LS755	5	60	12	79	08N3014	23.95
● LS7512	12	72	6	84	08N3008	23.65
● LS7515	15	75	5	85	08N3009	23.65
● LS7524	24	77	3.2	86	08N3010	23.65
● LS7536	36	75	2.1	86	08N3012	23.65
● LS7548	48	76	1.6	87	08N3013	23.65
● LS1003	3.3	66	20	75	08N2990	32.00
● LS1005	5	80	16	79	08N2993	32.00
● LS10012	12	102	8.5	82	08N2987	30.50
● LS10015	15	105	7	84	08N2988	30.50
● LS10024	24	108	4.5	86	08N2989	30.50
● LS10036	36	108	3	86	08N2991	30.50
● LS10048	48	110	2.3	86	08N2992	30.50
● LS1503	3.3	99	30	75	08N2997	38.00
● LS1505	5	130	26	79	08N3000	38.00
● LS15012	12	150	12.5	83	08N2994	35.50
● LS15015	15	150	10	85	08N2995	35.50
● LS15024	24	156	6.5	86	08N2996	35.50
● LS15036	36	155	4.3	87	08N2998	35.50
● LS15048	48	158	3.3	87	08N2999	35.50

(1) Switch selectable for 115 or 230VAC

(2) LS50, LS75-3 & -5: Derate linearly to 70% load from +50 to +70°C.
LS75-12, -15, -24, -36, -48 Derate linearly to 60% load from +50 to +70°C.
LS100-3 & -5 Derate linearly to 60% load from +45 to +70°C.
LS100-12, -15, -24, -36, -48 Derate linearly to 60% load from +50 to +70°C.
LS150-3 & -5, Derate linearly to 50% load from +40 to +70°C.
LS150-12, -15, -24, -36, -48 Derate linearly to 70% load from +50 to +70°C.
(115479)

HWS SERIES SINGLE OUTPUT
INDUSTRIAL POWER SUPPLIES
TDK-Lambda
Innovating Reliable Power

Just Added



- Limited lifetime warranty
- UL508 approved
- SEMI F47 compliant, high line AC
- Universal input, 85-265VAC
- High efficiency
- RoHS compliant design



Mfg. Part No.	Output Voltage (V)	Output Current (A)	Power (W)	Dimensions (in.)			Stock No.	Price Each
				H	W	D		
● HWS15-3/A	3.3	3	15	3.23	1.24	3.15	09K9414	42.00
● HWS30-3/A	3.3	6	30	3.23	1.24	3.74	09K9426	54.00
● HWS50-3/A	3.3	10	50	3.23	1.24	4.72	09K9432	115.00
● HWS100-3/A	3.3	20	100	3.23	1.3	6.30	09K9408	166.00
● HWS150-3/A	3.3	30	150	3.23	1.65	6.30	09K9420	216.00
● HWS300-3	3.3	60	198	3.23	2.40	6.50	80K8471	365.00
● HWS600-3	3.3	120	396	3.23	3.94	6.50	80K8477	555.00
● HWS1000-3	3.3	200	660	3.25	5	9.45	51M2840	1157.00
● HWS15-5/A	5	3	15	3.23	1.24	3.15	09K9416	42.00
● HWS30-5/A	5	6	30	3.23	1.24	3.74	09K9428	54.00
● HWS50-5/A	5	10	50	3.23	1.24	4.72	09K9434	115.00
● HWS150-5/A	5	20	100	3.23	1.3	6.30	09K9410	166.00
● HWS150-5/A	5	30	150	3.23	1.65	6.30	09K9422	216.00
● HWS300-5	5	60	300	3.23	2.40	6.50	80K8473	365.00
● HWS600-5	5	120	600	3.23	3.94	6.50	80K8479	555.00
● HWS1000-5	5	200	1000	3.25	5	9.45	51M2843	1157.00
● HWS1000-6	6	167	1002	3.25	5	9.45	51M2844	1157.00
● HWS1000-7	7.5	134	1005	3.25	5	9.45	51M2846	1157.00
● HWS15-12/A	12	1.3	15	3.23	1.24	3.15	09K9411	42.00
● HWS30-12/A	12	2.5	30	3.23	1.24	3.74	09K9423	54.00
● HWS50-12/A	12	4.3	50	3.23	1.24	4.72	09K9429	115.00
● HWS100-12/A	12	8.5	100	3.23	1.3	6.30	09K9405	166.00
● HWS150-12/A	12	13	150	3.23	1.65	6.30	09K9417	216.00
● HWS300-12	12	27	324	3.23	2.40	6.50	80K8468	365.00
● HWS600-12	12	53	636	3.23	3.94	6.50	80K8474	555.00
● HWS1000-12	12	88	1056	3.25	5	9.45	51M2838	1157.00
● HWS1500-12	12	125	1500	3.25	5	11	80K8465	1292.31
● HWS15-15/A	15	1	15	3.23	1.24	3.15	09K9412	42.00
● HWS30-15/A	15	2	30	3.23	1.24	3.74	09K9424	54.00
● HWS50-15/A	15	3.5	50	3.23	1.24	4.72	09K9430	115.00
● HWS100-15/A	15	7	100	3.23	1.3	6.30	09K9406	166.00
● HWS150-15/A	15	10	150	3.23	1.65	6.30	09K9418	216.00
● HWS300-15	15	22	330	3.23	2.40	6.50	80K8469	365.00
● HWS600-15	15	43	645	3.23	3.94	6.50	80K8475	555.00
● HWS1000-15	15	100	1056	3.25	5	9.45	51M2839	1157.00
● HWS1500-15	15	100	1500	3.25	5	11	80K8466	1292.31
● HWS15-24/A	24	0.65	15	3.23	1.24	3.15	09K9413	42.00
● HWS30-24/A	24	1.3	30	3.23	1.24	3.74	09K9425	54.00
● HWS50-24/A	24	2.2	50	3.23	1.24	4.72	09K9431	115.00
● HWS100-24/A	24	4.5	100	3.23	1.3	6.30	09K9407	166.00
● HWS150-24/A	24	6.5	150	3.23	1.65	6.30	09K9419	216.00
● HWS300-24	24	14	336	3.23	2.40	6.50	80K8470	365.00
● HWS600-24	24	27	648	3.23	3.94	6.50	80K8476	555.00
● HWS1000-24	24	44	1056	3.25	5	9.45	50M9533	1157.00
● HWS1500-24	24	65	1560	3.25	5	11	74K2155	1292.31
● HWS1000-36	36	29.3	1512	3.25	5	9.45	51M2841	1157.00
● HWS15-48/A	48	0.33	15	3.23	1.24	3.15	09K9415	42.00
● HWS30-48/A	48	0.65	30	3.23	1.24	3.74	09K9427	54.00
● HWS50-48/A	48	1.1	50	3.23	1.24	4.72	09K9433	115.00
● HWS100-48/A	48	2.1	100	3.23	1.3	6.30	09K9409	166.00
● HWS150-48/A	48	3.3	150	3.23	1.65	6.30	09K9421	216.00
● HWS300-48	48	7	336	3.23	2.40	6.50	80K8472	365.00
● HWS600-48	48	13	624	3.23	3.94	6.50	80K8478	555.00
● HWS1000-48	48	22	1056	3.25	5	9.45	51M2842	1157.00
● HWS1500-48	48	32	1536	3.25	5	11	80K8467	1292.31
● HWS1000-60	60	17.6	1056	3.25	5	9.45	51M2845	1157.00

HARSH ENVIRONMENT

Extended temperature range and conformal coated PCBs.

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Power (W)	Dimensions (in.)			Stock No.	Price Each
				H	W	D		
● HWS50-3/HD	3	10	33	3.23	1.24	4.72	05M7888	151.00
● HWS100-3/HD	3	20	66	3.23	1.3	6.3	05M7848	211.00
● HWS150-3/HD	3	30	99	3.23	1.65	6.3	05M7859	273.00

► CONTINUED ►

SWITCHING POWER SUPPLIES

HWS SERIES SINGLE OUTPUT INDUSTRIAL POWER SUPPLIES (CONT.)

HARSH ENVIRONMENT

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Power (W)	Dimensions (in.)			Stock No.	Price Each
				H	W	D		
● HWS300-3/HD	3	60	198	3.23	2.4	6.5	05M7880	484.00
● HWS50-5/HD	5	10	50	3.23	1.24	4.72	05M7891	151.00
● HWS100-5/HD	5	20	100	3.23	1.3	6.3	05M7851	211.00
● HWS150-5/HD	5	30	150	3.23	1.65	6.3	05M7862	273.00
● HWS300-5/HD	5	60	300	3.23	2.4	6.5	05M7882	484.00
● HWS600-5/HD	5	120	600	3.23	3.94	6.5	39P8165	620.00
● HWS1000-5/HD	5	200	1000	3.25	5	9.45	39P8163	1400.00
● HWS50-12/HD	12	4.3	51.6	3.23	1.24	4.72	05M7883	151.00
● HWS100-12/HD	12	8.5	102	3.23	1.3	6.3	05M7842	211.00
● HWS150-12/HD	12	13	156	3.23	1.65	6.3	05M7853	273.00
● HWS300-12/HD	12	27	324	3.23	2.4	6.5	05M7876	484.00
● HWS600-12/HD	12	53	636	3.23	3.94	6.5	05M7893	620.00
● HWS150012/HD	12	125	1500	3.23	4.98	11.02	05M7864	1669.00
● HWS50-15/HD	15	3.5	52.5	3.23	1.24	4.72	03M5339	151.00
● HWS100-15/HD	15	7	105	3.23	1.3	6.3	05M7844	211.00
● HWS150-15/HD	15	10	150	3.23	1.65	6.3	05M7855	273.00
● HWS300-15/HD	15	22	330	3.23	2.4	6.5	05M7877	484.00
● HWS600-15/HD	15	43	645	3.23	3.94	6.5	05M7894	620.00
● HWS150015/HD	15	100	1500	3.23	4.98	11.02	05M7865	1669.00
● HWS50-24/HD	24	2.2	52.8	3.23	1.24	4.72	05M7886	151.00
● HWS100-24/HD	24	4.5	108	3.23	1.3	6.3	05M7846	211.00
● HWS150-24/HD	24	6.5	156	3.23	1.65	6.3	05M7857	273.00
● HWS300-24/HD	24	14	336	3.23	2.4	6.5	05M7878	484.00
● HWS600-24/HD	24	27	648	3.23	3.94	6.5	05M7895	620.00
● HWS1500-24/HD	24	70	1680	3.25	5	11	03M5936	1669.00
● HWS150036/HD	36	46.5	1674	3.23	4.98	11.02	05M7867	1669.00
● HWS50-48/HD	48	1.1	52.8	3.23	1.24	4.72	05M7889	151.00
● HWS100-48/HD	48	2.1	100.8	3.23	1.3	6.3	05M7849	211.00
● HWS150-48/HD	48	3.3	158.4	3.23	1.65	6.3	05M7860	273.00
● HWS300-48/HD	48	7	336	3.23	2.4	6.5	05M7881	484.00
● HWS600-48/HD	48	13	624	3.23	3.94	6.5	39P8164	620.00
● HWS1000-48/HD	48	22	1056	3.25	5	9.45	39P8162	1400.00
● HWS150048/HD	48	32	1536	3.23	4.98	11.02	05M7869	1669.00

MEDICAL GRADE

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Power (W)	Dimensions (in.)			Stock No.	Price Each
				H	W	D		
● HWS30-5/ME	5	6	30	3.23	1.24	3.74	05M7875	54.00
● HWS50-5/ME	5	10	50	3.23	1.24	4.72	05M7892	122.00
● HWS100-5/ME	5	20	100	3.23	1.3	6.3	05M7852	168.00
● HWS150-5/ME	5	30	150	3.23	1.65	6.3	05M7863	221.00
● HWS30-12/ME	12	2.5	30	3.23	1.24	3.74	05M7871	54.00
● HWS50-12/ME	12	4.3	51.6	3.23	1.24	4.72	05M7884	122.00
● HWS100-12/ME	12	8.5	102	3.23	1.3	6.3	05M7843	168.00
● HWS150-12/ME	12	13	156	3.23	1.65	6.3	05M7854	221.00
● HWS30-15/ME	15	2	30	3.23	1.24	3.74	05M7872	54.00
● HWS50-15/ME	15	3.5	52.5	3.23	1.24	4.72	05M7885	122.00
● HWS100-15/ME	15	7	105	3.23	1.3	6.3	05M7845	168.00
● HWS150-15/ME	15	10	150	3.23	1.65	6.3	05M7856	221.00
● HWS30-24/ME	24	1.3	31.2	3.23	1.24	3.74	05M7873	54.00
● HWS50-24/ME	24	2.2	52.8	3.23	1.24	4.72	05M7887	122.00
● HWS100-24/ME	24	4.5	108	3.23	1.3	6.3	05M7847	168.00
● HWS150-24/ME	24	6.5	156	3.23	1.65	6.3	05M7858	221.00
● HWS300-24/ME	24	14	336	3.23	2.4	6.5	05M7879	410.00
● HWS150024/ME	24	65	1560	3.23	4.98	11.02	05M7866	1400.00
● HWS150036/ME	36	42	1512	3.23	4.98	11.02	05M7868	1400.00
● HWS30-48/ME	48	0.65	31.2	3.23	1.24	3.74	05M7874	54.00
● HWS50-48/ME	48	1.1	52.8	3.23	1.24	4.72	05M7890	122.00
● HWS100-48/ME	48	2.1	100.8	3.23	1.3	6.3	05M7850	168.00
● HWS150-48/ME	48	3.3	158.4	3.23	1.65	6.3	05M7861	221.00
● HWS150048/ME	48	32	1536	3.23	4.98	11.02	05M7870	1400.00

PEAK POWER INDUSTRIAL

300% peak power capability. High efficiency, easier system cooling, less power used.

Mfg. Part No.	Output Voltage (V)	Output Current (A) [Peak 110 / 230VAC]	Power (W)	Dimensions (in.)			Stock No.	Price Each
				H	W	D		
● HWS300P24	24	12.5 [21/42]	300	3.23	2.4	6.5	19P2361	431.00
● HWS600P24	24	25 [40.5/83]	600	3.23	3.94	6.5	19P2364	657.00
● HWS600P36	36	16.7 [25/55.5]	601.2	3.23	3.94	6.5	19P2365	657.00
● HWS300P36	36	8.4 [14/28]	302.4	3.23	2.4	6.5	19P2362	431.00
● HWS300P48	48	6.3 [10.5/21]	302.4	3.23	2.4	6.5	19P2363	431.00
● HWS600P48	48	12.5 [20/41.5]	600	3.23	3.94	6.5	19P2366	657.00

➔ CONTINUED ➔

HWS SERIES SINGLE OUTPUT INDUSTRIAL POWER SUPPLIES (CONT.)

DIN RAIL MOUNTING BRACKETS

Mfg. Part No.	For Use With	Stock No.	Price Each
● DIN-01	HWS15 and HWS30	76K0756	16.75
● DIN02	HWS50	83K3880	16.75
● DIN-03	HWS80, HWS100 and HWS150 Power Supplies	67K3635	20.00

(84154)

LZSA SERIES SINGLE-OUTPUT INDUSTRIAL POWER SUPPLIES

TDK-Lambda
Innovating Reliable Power

Just Added



- Input transient protected
- -40°C to +71°C operation
- MIL-STD-810E vibration / shock
- UL508, SEMIF47, factory mutual (Class 1, Division 2)
- 5-year warranty



Ideal for industrial applications requiring reliable performance under harsh operating conditions. Features superior thermal design and wide range adjustment of output.

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Output Power (W)	Stock No.	Price Each
● LZSA500-3	24	21	504	05M3602	1074.00
● LZSA10002	12	84	1008	88M9794	1540.00
● LZSA10003	24	42	1008	30M8203	1400.00
● LZSA15003	24	63	1512	88M9795	1885.00

(109387)

HWS1800T SERIES SINGLE OUTPUT 1800W 3PH INDUSTRIAL POWER SUPPLIES

TDK-Lambda
Innovating Reliable Power

- Three phase input (170 - 265VAC)
- High efficiency
- SEMI F47 compliant
- 5 year warranty



Ideal for applications such as factory automation, semiconductor fabrication and test and measurement. Features compact size and high efficiency for easier system cooling.

SPECIFICATIONS:

Input Voltage:	Three phase 170-265VAC
Input Frequency:	47-63Hz
Ripple & Noise:	200-400mV
Efficiency:	84-90%
Conducted & Radiated EMI:	EN55011 / EN55022-A, FCC-A, VCCI-A
Operating Temperature:	-10°C to +70°C, derate linearly to 50% load from 50°C to 70°C, -20°C start up
Dimensions:	4.98W x 3.23H x 11"D

Mfg. Part No.	Output 1		Output 2		Output 3		Output Power (W)	Stock No.	Price 1-9
	V	A	V	A	V	A			
● HWS1800T12	12	125	...	...	...	...	1500	54M8355	1595.00
● HWS1800T15	15	100	...	...	...	...	1500	54M8356	1595.00
● HWS1800T24	24	75	...	...	...	...	1800	54M8357	1595.00
● HWS1800T36	36	50	...	...	...	...	1800	54M8358	1595.00
● HWS1800T48	48	37.5	...	...	...	...	1800	54M8359	1595.00
● HWS1800T60	60	30	...	...	...	...	1800	54M8360	1914.00

(100561)

JWS SERIES INDUSTRIAL POWER SUPPLIES

TDK-Lambda
Innovating Reliable Power

- Radiated and Conducted EMI
- Universal AC Input
- Optional DIN Rail Mounting
- Input Transient Protection
- Power Factor and Harmonic Correction
- Wide Range Output Adjustment
- 200% Peak Power Capability for 10 Seconds (JWS-P Models)
- Approved to VDE0160 Machinery Directive
- UL Recognized, CSA Certified, CE Compliant
- 5-Year Warranty



Mfg. Part No.	Output Voltage (V)	Power (W)	Max. Amps @		Stock No.	Price Each
			50°C	60°C		
● JWS3002	2	120	60	36	48F3062	434.56
● JWS600-2	2	240	120	72	71K5445	716.67

➔ CONTINUED ➔

SWITCHING POWER SUPPLIES

JWS SERIES INDUSTRIAL POWER SUPPLIES (CONT.)

Mfg. Part No.	Output Voltage (V)	Power (W)	Max. Amps @		Stock No.	Price Each
			50°C	60°C		
● JWS503/A	3.3	33	10	6	71K5443	147.19
● JWS753/A	3.3	49.5	15	9	71K5455	198.01
● JWS1003/A	3.3	66	20	12	48F3070	233.05
● JWS1503/A	3.3	99	30	18	71K5429	303.14
● JWS3003	3.3	198	60	36	71K5437	434.56
● JWS6003	3.3	396	120	72	71K5449	716.67
● JWS505/A	5	50	10	6	71K5444	147.19
● JWS755/A	5	75	15	9	71K5457	192.27
● JWS1005/A	5	100	20	12	71K5424	233.05
● JWS1505/A	5	150	30	18	71K5431	302.74
● JWS300-5	5	300	60	36	71K5433	429.74
● JWS6005	5	600	120	72	71K5451	716.67
● JWS5012/A	12	51.6	4.3	2.6	71K5440	147.19
● JWS7512/A	12	75.6	6.3	3.8	71K5453	198.01
● JWS10012/A	12	102	8.5	5.1	71K5420	233.05
● JWS15012/A	12	156	13	7.8	71K5426	303.14
● JWS30012	12	324	27	16.2	71K5434	434.56
● JWS60012	12	636	53	31.8	71K5446	716.67
● JWS5015/A	15	52.5	3.5	2.1	71K5441	147.19
● JWS7515/A	15	75	5	3.0	76K6330	198.01
● JWS10015/A	15	105	7	4.2	71K5421	232.43
● JWS15015/A	15	150	10	6.0	71K5427	303.14
● JWS30015	15	330	22	13.2	71K5435	434.56
● JWS60015	15	645	43	25.8	71K5447	716.31
● JWS5024/A	24	52.8	2.2	1.3	71K5442	147.19
● JWS70P-24	24	72.0	3.6	2.2	71K5452	268.62
● JWS7524/A	24	76.8	3.2	1.9	71K5454	198.01
● JWS10024/A	24	108	4.5	2.7	71K5422	233.05
● JWS120P-24	24	120	5.1	3.1	71K5425	348.70
● JWS15024/A	24	156	6.5	3.9	01M8021	303.14
● JWS240P-24	24	240	10.2	6.1	71K5432	538.47
● JWS30024	24	336	14	8.4	48F6166	434.56
● JWS480P-24	24	480	20.4	12.2	31C9748	824.26
● JWS60024	24	648	27	16.2	71K5448	716.67
● JWS50-28/A	28	56	2	16.2	83C5709	147.19
● JWS150-28/A	28	154	5.5	...	74C5860	303.14
● JWS600-28	28	644	23	16.1	81C8273	716.67
● JWS7548/A	48	76.8	1.6	...	71K5456	198.01
● JWS10048/A	48	100.8	2.1	1.3	71K5423	232.57
● JWS120P-48	48	120	2.5	1.5	31C9745	348.70
● JWS15048/A	48	158.4	3.3	2	71K5430	302.84
● JWS240P-48	48	240	5	3	31C9747	538.47
● JWS30048	48	312	6.5	3.9	71K5438	431.24
● JWS480P-48	48	480	10	6	71K5439	824.26
● JWS60048	48	624	13	7.8	71K5450	716.67

(49387)

ZWS SERIES SINGLE-OUTPUT POWER SUPPLIES


TDK-Lambda
 Innovating Reliable Power


AC input 85-265VAC, Input frequency 47-440Hz ZWS5-ZWS50; 47-63Hz ZWS75AF-ZWS150AF. Operating temperature -10C to +60C. 2-year warranty.



Mfg. Part No.	Output Voltage (V)	Max. Current (A)	Stock No.	Price Each
				1-9
● ZWS5-3	3.3	1	72K1630	21.54
● ZWS10-3	3.3	2	72K1615	26.15
● ZWS15-3	3.3	3	72K1619	32.31
● ZWS30-3	3.3	6	72K1626	36.92
● ZWS50-3	3.3	10	72K1633	45.38
● ZWS75AF3	3.3	15	83K4209	73.08
● ZWS100AF3	3.3	20	06M0903	83.85
● ZWS5-5	5	1	72K1631	21.54
● ZWS-10-5	5	2	72K1611	26.15
● ZWS15-5	5	3	72K1620	32.31
● ZWS30-5	5	6	72K1627	36.92
● ZWS50-5	5	10	72K1634	45.38
● ZWS75AF5	5	15	10K0935	73.08

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ZWS SERIES SINGLE-OUTPUT POWER SUPPLIES (CONT.)

Mfg. Part No.	Output Voltage (V)	Max. Current (A)	Stock No.	Price Each
				1-9
● ZWS100AF5	5	20	10K0816	83.85
● ZWS150AF5	5	30	10K0832	106.15
● ZWS5-12	12	0.42	72K1628	21.54
● ZWS10-12	12	0.85	72K1612	26.15
● ZWS15-12	12	1.25	72K1616	32.31
● ZWS30-12	12	2.5	80K6206	36.92
● ZWS50-12	12	4.3	83F2689	45.38
● ZWS75AF12	12	6.3	10K0923	73.08
● ZWS100AF12	12	8.5	10K0804	83.85
● ZWS150AF12	12	12.5	10K0820	106.15
● ZWS5-15	15	0.34	17B5337	21.54
● ZWS10-15	15	0.7	72K1613	26.15
● ZWS15-15	15	1	72K1617	32.31
● ZWS5-24	24	0.22	72K1629	21.54
● ZWS10-24	24	0.45	72K1614	26.15
● ZWS15-24	24	0.65	72K1618	32.31
● ZWS50-24	24	2.1	72K1632	45.38
● ZWS75AF24	24	3.2	10K0931	73.08
● ZWS150AF24	24	6.3	10K0828	106.15
● ZWS240PAF-24*	24	12.5	72K1623	172.31
● ZWS150PAF-48*	48	4.3	09J4862	129.23
● ZWS240PAF-48*	48	6.3	72K1624	172.31

*Indicates forced air model (28479)

ZPD, ZPT SERIES MULTIPLE-OUTPUT POWER SUPPLIES


TDK-Lambda
 Innovating Reliable Power


- Low-profile, industry standard footprint
- Compact design
- Wide range AC input
- High-efficiency, up to 88%
- Meets EN61000-4 immunity
- Global Safety Agency Compliance
- UL recognized, CSA certified, CE compliant



ZPD, ZPT series

Ideal for applications such as computer peripherals, datacom, point of sale and test and measurement. Features continuous hiccup-mode short-circuit protection, overvoltage protection and convection cooling. One-year manufacturer's warranty.

SPECIFICATIONS:

Input Voltage:	90-264VAC or 120-370VDC
Input Frequency:	47-440Hz
Line Regulation:	+/- 1% for V1 and V3, +/- 2% for V2
Load Regulation:	+/- 3% for V1, +/- 5% for V2, +/- 1% for V3
Ripple & Noise:	1% or 50mV (whichever is greater)
Efficiency:	Up to 88%
Conducted & Radiated EMI:	EN55022-B, FCC Class B
Operating Temperature:	0° to +70°C
Dimensions:	4.0L x 2.0W x 1.2"H

ZPD SERIES DUAL-OUTPUT UNITS

Mfg. Part No.	Output 1		Output 2		Output 3		Output Power (W)	Stock No.	Price Each
	V	A	V	A	V	A			
● ZPD40512	5	3.2	+12	2	...	...	40	52K4880	62.98
● ZPD40524	5	3.2	+24	1	...	...	40	52K4881	62.98

ZPT SERIES TRIPLE-OUTPUT UNITS

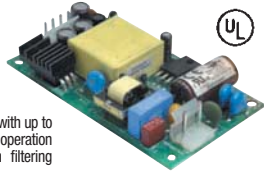
Mfg. Part No.	Output 1		Output 2		Output 3		Output Power (W)	Stock No.	Price Each
	V	A	V	A	V	A			
● ZPT405125N	5	3.2	+12	2	-5	0.3	40	73K1385	62.98
● ZPT4051212N	5	3.2	+12	2	-12	0.3	42	52K4901	62.98
● ZPT4051515N	5	3.2	+15	1.5	-15	0.3	42	52K4903	62.98
● ZPT4052412N	5	3.2	+24	1	-12	0.3	42	52K4904	62.98
● ZPT405245N	5	3.2	+24	1	-5	0.3	40	52K4906	62.98
● ZPT4052412P	5	3.2	+24	1	+12	0.3	42	52K4905	62.98
● ZPT403512N	3.3	5	5	2	-12	0.3	30	52K4900	62.98

(85492)

SWITCHING POWER SUPPLIES

ZPSA SERIES 20W TO 60W
AC/DC POWER SUPPLIESTDK-Lambda
Innovating Reliable Power

- Single output
- Wide range AC input
- Low profile, industry standard footprint
- Global safety agency compliance



ZPSA series features industry standard footprint with up to 88% efficiency, wide range AC input for global operation and Class B conducted EMI reduces system filtering required. Meets EN61000-4 immunity.

SPECIFICATIONS:

Mfg. Part No.	ZPSA20	ZPSA40	ZPSA60
Input Voltage Range:	85 - 264VAC (47 - 440Hz) or 120 - 370VDC	90 - 264VAC (47 - 440Hz) or 120 - 370VDC	
Ripple and Noise*:	1% or 50mV whichever is greater		
Conducted and Radiated EMI:	EN55022-B, FCC Class B		
Operating Temperature:	0°C to +70°C derate linearly to 37.5% load from 45 to 70°C	0°C to +70°C with derating	
Safety Agency Certification:	UL60950-1, CSA60950-1 (cUL), EN60950-1, CE Mark	UL60950-1, CSA60950-1, EN60950-1 Class I, CE Mark (LVD)	
Dimensions (WxHxD):	2 x 3.5 x 0.79"		2 x 4 x 1.07"

2 X 3.5" 20W

Mfg. Part No.	Output Power (W)	Output 1 (VDC) + (V) (A)	Output 2 (VDC) - (V) (A)	Output 3 (VDC) (V) (A)	Efficiency (%)	Stock No.	Price Each 1-9
● ZPSA203R3	15	3.3 4.4	...	...	82	94M5300	23.08
● ZPSA205	22	5 4.4	...	...	82	94M5301	23.08
● ZPSA209	22	9 2.45	...	...	82	94M5302	23.08
● ZPSA2012	20	12 1.8	...	...	82	94M5297	23.08
● ZPSA2015	21	15 1.4	...	...	82	94M5298	23.08
● ZPSA2024	22	24 0.92	...	...	82	94M5299	23.08

2 X 4" 40W TO 60W

● ZPSA403R3	20	3.3 6	...	...	74	94M5307	28.46
● ZPSA405	30	5 6	...	...	79	94M5311	28.46
● ZPSA409	40	9 4.45	...	...	83	94M5312	28.46
● ZPSA4012	40	12 3.34	...	...	85	94M5303	28.46
● ZPSA4015	40	15 2.67	...	...	85	94M5304	28.46
● ZPSA4024	40	24 1.67	...	...	86	94M5305	28.46
● ZPSA4028	40	28 1.43	...	...	86	94M5306	28.46
● ZPSA4030	40	30 1.33	...	...	87	94M5308	28.46
● ZPSA4036	40	36 1.11	...	...	87	94M5309	28.46
● ZPSA4048	40	48 0.834	...	...	88	94M5310	28.46
● ZPSA603R3	26	3.3 8	...	...	74	94M5317	30.77
● ZPSA605	40	5 8	...	...	79	94M5321	30.77
● ZPSA609	60	9 6.67	...	...	83	94M5322	30.77
● ZPSA6012	60	12 5	...	...	85	94M5313	30.77
● ZPSA6015	60	15 4	...	...	85	94M5314	30.77
● ZPSA6024	60	24 2.5	...	...	86	94M5315	30.77
● ZPSA6030	60	30 2	...	...	87	94M5318	30.77
● ZPSA6036	60	36 1.67	...	...	87	94M5319	30.77
● ZPSA6048	60	48 1.25	...	...	88	94M5320	30.77

*Measured with 0.1uF ceramic and 10uF electrolytic at 20MHz BW (110631)

ZWX SERIES 180W TO 300W INDUSTRIAL ATX POWER SUPPLIES

TDK-Lambda
Innovating Reliable Power

- 90-150W convection cooled ratings
- 1U high
- Power factor corrected
- Peak power ratings
- No minimum loading required



ZWX series convection cooled ratings, eliminates the need for forced air or fan. Industrial grade for greater reliability and field life.

SPECIFICATIONS:

Mfg. Part No.	ZWX180	ZWX180	ZWX180
Input Voltage Range:	85-265VAC (47-63Hz)		
Power Factor:	Meets EN61000-3-2		
Conducted and Radiated EMI:	EN55011/EN55022-B, FCC Class B, VCCI-B		
Operating Temperature:	-10°C to +70°C, derate linearly to 20% load from 50°C to 70°C		
Safety Agency Certification:	UL60950-1, CSA60950-1, EN60950-1, EN50178 (OV II), CE Mark		
Dimensions (WxHxD):	3.7 x 1.42 x 8.27"	4.17 x 1.42 x 8.86"	4.65 x 1.42 x 9.84"

➔ CONTINUED ➔

ZWX SERIES 180W TO 300W INDUSTRIAL ATX POWER SUPPLIES (CONT.)

Mfg. Part No.	Output Power (W)	Output 1 (VDC) + (V) (A)	Output 2 (VDC) + (V) (A)	Output 3 (VDC) + (V) (A)	Efficiency (%)	Stock No.	Price Each 1-9
● ZWX180	180	3.3 8.4	5 7	12 9	81	94M5323	200.00
● ZWX240	240	3.3 9.8	5 8.4	12 11.2	81	94M5324	228.00
● ZWX300	300	3.3 14	5 8.4	12 11.2	81	94M5325	257.00

Output 4 VDC (-) / Output 5 VDC (+)

ZWX180 — 12V 0.3A / 5V 2A

ZWX240 — 12V 0.3A / 5V 2A

ZWX300 — 12V 0.4A / 5V 2A

(110628)

SC SERIES SINGLE- AND MULTIPLE-OUTPUT POWER SUPPLIES

TDK-Lambda
Innovating Reliable Power

- Global Safety Agency Compliance
 - Meet EN61000-4 (-2 to -6) specifications
 - Low cost
 - Low profile
 - 1-year manufacturer's warranty
 - UL recognized, CSA certified, CE compliant
- AC input: 85-264VAC; 47-63Hz.
Dimensions: 3"L x 5"W.



Mfg. Part No.	Output (V)	Output Current (A)	Power (W)	Forced Air or Fan (A)	Stock No.	Price Each 1-9
● SCS603	5.0	12.0	60	16.0	48F3105	66.00
● SCS6012	12	5.0	60	6.7	48F3106	66.00
● SCS120PW12	12	10	120	...	80K8510	60.00
● SCS120PW15	15	8	120	...	80K8511	60.00
● SCS4024	24	1.6	40	2.3	48F6445	48.00
● SCS6024	24	2.5	60	3.3	48F3107	66.00
● SCS120PW24	24	5	120	...	80K8512	60.00
● SCS6028	28	2.1	60	2.9	82K8618	66.00
● SCS4048	48	0.9	40	1.2	48F6447	48.00
● SCS6048	48	1.3	60	1.7	93K7596	66.00
● SCD601515	15	2.2	60	2.9	72K0352	66.00
	-15	1.8		2.4		
● SCT42	5.0	4.0	40	5.0	72K0382	48.00
	12	2.0		2.5		
	-12	0.5		0.7		
● SCT45	5.0	4.0	40	5.0	72K0385	48.00
	15	2.0		2.5		
	-15	0.5		0.7		
● SCT48	5.0	4.0	40	5.0	72K0388	48.00
	24	1.0		1.5		
	-5	0.5		0.7		
● SCT62	5.0	7.0	40	8.0	72K0390	66.00
	12	3.0		3.5		
	-12	0.7		1.0		
● SCT63	5.0	7.0	60	8.0	72K0391	66.00
	15	2.8		3.3		
	-15	0.7		1.0		
● SCT65	5.0	7.0	60	8.0	72K0393	66.00
	24	1.5		2.0		
	12	0.7		1.0		

(49379)

LW SERIES DUAL AND TRIPLE OUTPUT POWER SUPPLIES

TDK-Lambda
Innovating Reliable Power

- 1" Low-Profile L-Bracket Construction
- 1-Year Warranty



EMI-FCC class B and VDE class B. AC input: 85-265VAC, 47-440Hz. UL listed, CSA certified, CE compliant.

DUAL OUTPUT

Mfg. Part No.	Power (W)	Max Current (A)	Output 1 (V)	Output 2 (V)	Stock No.	Price Each 1-9
LWD-15-0512	15	1.5	5	12	83F2572	142.14
LWD-15-0524	15	1.5	5	24	48F6206	142.14
LWD-15-1212	15	0.6	12	12	83F2573	142.14
LWD-15-1224	15	0.6	12	24	48F6207	142.14
LWD-15-1515	15	0.5	15	15	48F6208	142.14
LWD-30-0512	30	3	5	12	83F2574	204.73
LWD-30-0524	30	3	5	24	48F6209	204.73
LWD-30-1212	30	1.2	12	12	83F2575	204.73
LWD-30-1224	30	1.2	12	24	48F6210	204.73

➔ CONTINUED ➔

SWITCHING POWER SUPPLIES

LW SERIES DUAL AND TRIPLE OUTPUT POWER SUPPLIES (CONT.)

TRIPLE OUTPUT

Mfg. Part No.	Power (W)	Max Current (A)	Output 1 (V)	Output 2 (V)	Output 3 (V)	Stock No.	Price Each
● LWT-15H-522	15	3	5	+12	-12	74K5352	161.37
● LWT-15H-525	15	3	5	+12	-5	74K5353	161.37
● LWT-15H-5FF	15	3	5	+15	-15	74K5351	161.37
● LWT-30H-522	30	5	5	+12	-12	74K5355	207.01
● LWT-30H-525	30	5	5	+12	-5	74K5356	207.01
● LWT-30H-5FF	30	5	5	+15	-15	74K5354	207.01
● LWT-50H-522	50	8	5	+12	-12	74K5358	255.91
● LWT-50H-5FF	50	8	5	+15	-15	74K5357	255.91

(49381)

SWS SERIES SINGLE OUTPUT GENERAL PURPOSE POWER SUPPLIES


TDK-Lambda
Innovating Reliable Power


- Low Cost
- Power Factor Correction to EN61000-3-2
- Universal Input (85-265VAC)
- Input Transient Protected IEC61000-4
- Enclosed



Mfg. Part No.	Output (V)	Power (W)	Output (A)	Stock No.	Price Each
● SWS50-3	3.3	33	10	72K0773	39.23
● SWS75-3	3.3	49.5	15	72K0779	45.39
● SWS100-3	3.3	66	20	72K0765	58.46
● SWS150-3	3.3	99	30	72K0768	69.62
● SWS300-3	3.3	181.5	55	27K4137	134.62
● SWS600-3	3.3	330	100	27K4140	241.54
● SWS50-5	5	50	10	72K0774	39.23
● SWS75-5	5	75	15	72K0780	45.39
● SWS100-5	5	100	20	72K0766	58.46
● SWS150-5	5	150	30	72K0769	69.62
● SWS300-5	5	275	55	42J5950	134.62
● SWS600-5	5	500	100	42J5953	241.54
● SWS50-12	12	51.6	4.3	09J9927	39.23
● SWS75-12	12	75.6	6.3	72K0777	45.38
● SWS100-12	12	102	8.5	72K0763	58.46
● SWS150-12	12	150	12.5	72K7324	69.62
● SWS300-12	12	312	26	27K4135	134.62
● SWS600-12	12	600	50	27K4138	241.54
● SWS50-15	15	52.5	3.5	07J2044	39.23
● SWS75-15	15	75	5	72K7325	45.39
● SWS100-15	15	100.5	6.7	72K0764	58.46
● SWS150-15	15	150	10	73K4044	69.62
● SWS300-15	15	315	21	27K4136	134.62
● SWS600-15	15	600	40	27K4139	241.54
● SWS50-24	24	50.4	2.1	72K0772	39.23
● SWS75-24	24	76.8	3.2	72K0778	45.39
● SWS100-24	24	103.2	4.3	09J9918	58.46
● SWS150-24	24	151.2	6.3	72K0767	69.62
● SWS300-24	24	300	13	72K0770	134.62
● SWS600-24	24	600	25	72K0775	241.54
● SWS300-48	48	300	6.7	72K0771	134.62
● SWS600-48	48	600	12.5	72K0776	241.54

(77454)

Expert technical support

Chat online to our team of engineers, or connect to them through your representative.

(148838)

SWS600/1000L SERIES SINGLE OUTPUT LOW PROFILE AC/DC POWER SUPPLIES


TDK-Lambda
Innovating Reliable Power


- Low cost
- Low profile
- Active power factor correction
- Universal input (85 - 265VAC)
- Input transient protected IEC61000-4
- Medical certifications SWS1000L series

SWS600/1000L series feature power factor correction and global safety approvals, which support global use. Variable fan speed provides greater reliability and lower acoustical noise.

SPECIFICATIONS:

Mfg. Part No.	SWS600	SWS1000L
Input Voltage Range:	85 - 265VAC 47 - 63Hz or 120 - 350VDC	
Power Factor:	Meets EN61000-3-2 Class A	
Conducted and Radiated EMI:	EN55011/ EN55022-B, FCC Class B	
Operating Temperature:	-40°C start up, -20°C to 74°C, derating linearly to 50% load above 50°C	
Safety Agency Certification:	UL, CSA, EN60950-1, UL60601-1 (1000W only), IEC61010-1 (600W only), EN50178, CE Mark	
Dimensions (WxHxD):	2.4 x 4.72 x 7.48"	2.4 x 5.91 x 9.45"

Mfg. Part No.	Output Power (W)	Output 1 (VDC) + (V) (A)	Output 2 (VDC) - (V) (A)	Output 3 (VDC) (V) (A)	Efficiency (%)	Stock No.	Price 1-9
● SWS600L3	396	3.3 120	...	...	72	94M5293	241.54
● SWS600L5	600	5 120	...	...	77	51M3234	241.54
● SWS600L12	636	12 53	...	...	82	51M3232	241.54
● SWS600L15	645	15 43	...	...	82	94M5292	241.54
● SWS600L24	648	24 27	...	...	84	51M3233	241.54
● SWS600L36	648	36 18	...	...	84	94M5294	241.54
● SWS600L48	624	48 13	...	...	84	94M5295	241.54
● SWS600L60	600	60 10	...	...	84	94M5296	241.54

MEDICAL SERIES

● SWS1000L3	660	3.3 200	...	...	76	94M5287	546.15
● SWS1000L5	1000	5 200	...	...	81	94M5290	546.15
● SWS1000L12	1056	12 88	...	...	84	94M5284	546.15
● SWS1000L15	1050	15 70	...	...	84	94M5285	546.15
● SWS1000L24	1056	24 44	...	...	86	94M5286	546.15
● SWS1000L36	1044	36 29	...	...	86	94M5288	546.15
● SWS1000L48	1056	48 22	...	...	86	94M5289	546.15
● SWS1000L60	1020	60 17	...	...	86	94M5291	546.15

(110627)

175W AND 350W SINGLE AND MULTIPLE OUTPUT MODULAR POWER SUPPLIES


TDK-Lambda
Innovating Reliable Power


175W

350W

- Medical approvals
- 1U form factor
- Up to 90% efficient
- Active power factor correction
- Universal input (90 - 264VAC)
- Up to 6 outputs
- UL Recognized, CSA Certified, CE Compliant
- Line regulation: < 0.1%
- Load regulation: < 10%
- Other models available; go online or call

Mfg. Part No.	Nominal Output Voltage (V)	Max. Output Current (A)	Power (W)	Stock No.	Price Each
● NV11G000	24	7.5	180	10K0348	144.57
● NV1350FF	5/15/-15	25/5/1	175	09J4844	217.35
● NV1350TT	5/12/-12	25/5/1	175	88K1965	181.93
● NV1453FF	5/3.3/15/-15	25/15/5/1	175	09J4846	230.23
● NV1453FFN	5/3.3/15/-15/5	25/15/5/1/2	175	09J4847	278.53
● NV1453TT	5/3.3/12/-12	25/15/5/1	175	09J4848	230.23
● NV1453TTN	5/3.3/12/-12/5	25/15/5/1/2	175	09J4849	278.53
● NV3222CV	5/24/12/12	40/8/13/4	350	88K1966	814.66
● NV3222D3	5/12/12	40/13/4	350	04M4578	655.27
● NV3222FL	5/5/12/12/24	25/10/12/4/8	350	04M4579	874.23
● NV3222GF	5/12/12/24	25/4/4/7	350	04M4580	697.13
● NV3222H8	5/12/12	25/16/4	350	04M4581	655.27

(80005)

SWITCHING POWER SUPPLIES

ZWQ SERIES QUAD OUTPUT POWER SUPPLIES


TDK-Lambda
 Innovating Reliable Power


Features:

- 80W to 170W quad output power supplies
- Universal input, 85-265VAC
- Power factor corrected
- Adjustable main and fourth output
- Floating fourth output
- Low profile, <1U high

ZWQ series can be used as positive or negative output. Convection cooling. Outputs 2 and 3 are user selectable via connector or PCB.

80W

Mfg. Part No.	Output 1 (V/A)	Output 2 (V/A)	Output 3 (V/A)	Output 4 (V/A)	Stock No.	Price Each 1-9
● ZWQ805222/A	5/8	+12/2	-12/2	+12/3.0	10K0794	162.00
● ZWQ805223/A	5/8	+12/2	-12/2	+3.3/7.0	10K0797	162.00
● ZWQ805224/A	5/8	+12/2	-12/2	+24/1.5	88K2032	162.00
● ZWQ805225/A	5/8	+12/2	-12/2	+5/7.0	88K2033	162.00

130W

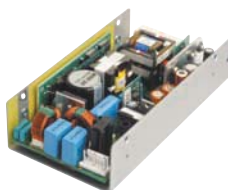
● ZWQ1305222/A	5/15	+12/4	-12/4	+12/4.0	10K0782	181.00
● ZWQ1305223/A	5/15	+12/4	-12/4	+3.3/10.0	10K0785	181.00
● ZWQ1305224/A	5/15	+12/4	-12/4	+24/2.0	10K0788	181.00
● ZWQ1305225/A	5/15	+12/4	-12/4	+5/10.0	10K0791	181.00

(84545)

EFE300/400 AND EFE300M SERIES 300/400W SINGLE OUTPUT POWER SUPPLIES


TDK-Lambda
 Innovating Reliable Power

Just Added


 EFE300/400
 (Open frame shown)

 EFE300M
 (U channel version shown)

All series:

- Full digital control
- High efficiency
- High peak loading capability

EFE300M series only:

- Medical safety certifications (BF rated)

EFE series digitally controlled power supplies incorporate many innovative design features including an integrated magnetics transformer that increases the overall efficiency. Compact dimensions and a 1U profile allow the EFE series to be incorporated in designs where space is limited, so end products can be smaller, cooler and more feature rich. Typical applications include broadcast, instrumentation, industrial, ATE, automation, routers, servers and security networks. An additional 12V/0.25A fan supply output is also available as indicated under Style in table below.

SPECIFICATIONS:

Mfg. Part No.	EFE300	EFE400	EFE300M
Input Voltage Range:	90-264VAC (47-63Hz)		
Power Factor Harmonics:	EN61000-3-2 Compliant (0.97 typical)		
Conducted Emissions and Flicker:	EN55011, EN55022 Class B (per CISPR11:22), EN61000-3-3		
Radiated Emissions:	EN55011, EN55022 Class B (per CISPR11:22)		
Operating Temperature:**	0 to +70°C. Derate linearly to 50% load from 50°C to 70°C		
Safety Agency Approvals:	UL60950-1, CSA22.2 No 60950-1, EN60950-1, EN61010-1, IEC61010-1, CE for LVD		
Dimensions (WxDxH):*	3 x 5 x 1.34"	3 x 6 x 1.34"	3 x 6 x 1.34"

EFE300/400 SERIES

Mfg. Part No.	Style	Output (V)	Output Current (A)	Power (W)	Stock No.	Price Each 1-9
● U2Y002G	Open Frame	12	25	300	71P8806	315.70
● U2Y003H	Enclosed with Fan	12	25	300	71P8807	372.68
● U2Y005K	Open Frame	24	12.5	300	71P8808	315.70
● U2Y006L	Enclosed with Fan	24	12.5	300	71P8809	372.68
● U4Y002H	Open Frame	12	33.5	400	71P8810	389.62
● U4Y003J	Enclosed with Fan	12	33.5	400	71P8811	446.60
● U4Y005L	Open Frame	24	16.7	400	71P8812	389.62
● U4Y006M	Enclosed with Fan	24	16.7	400	71P8813	446.60

EFE300M SERIES

Safety agency approvals for EFE300M series also includes IEC60601-1.

● U5Y0020	Open Frame	12	25	300	71P8814	389.62
● U5Y0031	Enclosed with Fan	12	25	300	71P8815	446.60
● U5Y0053	Open Frame	24	12.5	300	71P8816	389.62
● U5Y0064	Enclosed with Fan	24	12.5	300	71P8817	446.60

* Open frame version - Including underside component leads

** -20°C cold start
(142340)

RTW SERIES SINGLE OUTPUT INDUSTRIAL POWER SUPPLIES


TDK-Lambda
 Innovating Reliable Power


- Ultra thin package
- SEMI F47 compliant (high line AC)
- Universal input
- High efficiency
- 5 year warranty



Ideal for applications such as semiconductor fabrication and LED signs. Ultra thin package allows for use in small spaces. Wide range AC input supports global use. C suffix indicates cover for (50W, 100W and 150W models) and H suffix indicates vertical terminal block (50-150W models only).

SPECIFICATIONS:

Models	50W	100W	150W	300W
Input Voltage Range:	85 - 265VAC or 120 - 370VDC			
Input Frequency:	47 - 440Hz			
Line Regulation:	0.2% (85-132 or 170-265VAC line change)			
Load Regulation:	0.4% (0-100% load change)			
Safety Agency Approvals:	UL60950-1, CSA60950-1 (cUL), EN60950-1, CE Mark			
Conducted & Radiated EMI:	EN55011/ EN55022-B, FCC-B			
Operating Temperature:	-10°C to +71°C, -20°C start up. See derating curves on datasheet			
Dimensions:	0.87W x 3.23H x 4.88"D	0.98W x 3.23H x 6.3"D	1.18W x 3.62H x 7.09"D	1.57W x 4.72H x 9.84"D

Mfg. Part No.	Output Voltage (V)	Output Range (V)	Max. Current (A)	Output Power (W)	Efficiency (%)*	Stock No.	Price Each 1-9
● RTW03-12R	3.3	2.6 - 4	12.5	41.2	75/77	50M0396	110.00
● RTW03-12RC	3.3	2.6 - 4	12.5	41.2	75/77	50M0397	112.00
● RTW03-25R	3.3	2.6 - 4	25	82.5	79/81	50M0398	138.00
● RTW03-25RC	3.3	2.6 - 4	25	82.5	79/81	50M0399	141.00
● RTW03-35R	3.3	2.6 - 4	35	115.5	80/83	50M0400	190.00
● RTW03-35RC	3.3	2.6 - 4	35	115.5	80/83	50M0401	193.00
● RTW03-70RH	3.3	1.8 - 3.6	70	231	83/86	50M0402	327.00
● RTW03-70RL	3.3	1.8 - 3.6	70	231	83/86	50M0403	322.00
● RTW05-10R	5	4 - 5.8	10	50	80/82	50M0404	110.00
● RTW05-10RC	5	4 - 5.8	10	50	80/82	50M0405	112.00
● RTW05-20R	5	4 - 5.8	20	100	83/85	50M0406	138.00
● RTW05-20RC	5	4 - 5.8	20	100	83/85	50M0407	141.00
● RTW05-30R	5	4 - 5.8	30	150	83/86	50M0408	190.00
● RTW05-30RC	5	4 - 5.8	30	150	83/86	50M0409	193.00
● RTW05-60RH	5	3.5 - 5.6	60	300	84/87	50M0410	327.00
● RTW05-60RL	5	3.5 - 5.6	60	300	84/87	50M0411	322.00
● RTW12-4R3	12	9.6 - 13.2	4.3	51.6	81/83	50M0416	110.00
● RTW12-4R3C	12	9.6 - 13.2	4.3	51.6	81/83	50M0417	112.00
● RTW12-8R4	12	9.6 - 13.2	8.4	100.8	84/86	50M0418	138.00
● RTW12-8R4C	12	9.6 - 13.2	8.4	100.8	84/86	50M0419	141.00
● RTW12-12R	12	9.6 - 13.2	12.5	150	84/87	50M0420	190.00
● RTW12-12RC	12	9.6 - 13.2	12.5	150	84/87	50M0421	193.00
● RTW12-25RH	12	7.2 - 14.2	25	300	83/86	50M0414	327.00
● RTW12-25RL	12	7.2 - 14.2	25	300	83/86	50M0415	322.00
● RTW15-3R5	15	12 - 16.5	3.5	52.5	82/85	50M0424	110.00
● RTW15-3R5C	15	12 - 16.5	3.5	52.5	82/85	50M0425	112.00
● RTW15-6R7	15	12 - 16.5	6.7	100.5	85/87	50M0426	138.00
● RTW15-6R7C	15	12 - 16.5	6.7	100.5	85/87	50M0427	141.00
● RTW15-10R	15	12 - 16.5	10	150	84/87	50M0420	190.00
● RTW15-10RC	15	12 - 16.5	10	150	84/87	50M0421	193.00
● RTW15-20RH	15	10.5 - 18	20	300	83/86	50M0422	327.00
● RTW15-20RL	15	10.5 - 18	20	300	83/86	50M0423	322.00
● RTW24-2R2	24	19.2 - 26.4	2.2	52.8	82/85	50M0430	110.00
● RTW24-2R2C	24	19.2 - 26.4	2.2	52.8	82/85	50M0431	112.00
● RTW24-4R2	24	19.2 - 26.4	4.2	100.8	85/87	50M0432	138.00
● RTW24-4R2C	24	19.2 - 26.4	4.2	100.8	85/87	50M0433	141.00
● RTW24-6R3	24	19.2 - 26.4	6.3	151.2	86/88	50M0434	190.00
● RTW24-6R3C	24	19.2 - 26.4	6.3	151.2	86/88	50M0435	193.00
● RTW24-13RH	24	16.8 - 26.4	13	312	85/88	50M0428	327.00
● RTW24-13RL	24	16.8 - 26.4	13	312	85/88	50M0429	322.00
● RTW28-1R8	28	22.4 - 30.8	1.8	50.4	82/85	50M0436	110.00
● RTW28-1R8C	28	22.4 - 30.8	1.8	50.4	82/85	50M0437	112.00
● RTW28-3R6	28	22.4 - 30.8	3.6	100.8	85/87	50M0440	138.00
● RTW28-3R6C	28	22.4 - 30.8	3.6	100.8	85/87	50M0441	141.00
● RTW28-5R4	28	22.4 - 30.8	5.4	151.2	86/88	50M0442	190.00
● RTW28-5R4C	48	22.4 - 30.8	5.4	151.2	86/88	50M0443	193.00
● RTW28-11RH	28	22.4 - 30.8	11	308	85/88	50M0438	327.00
● RTW28-11RL	28	19.6 - 33.6	11	308	85/88	50M0439	322.00
● RTW48-1R1	48	38.4 - 52.8	1.1	52.8	82/85	50M0444	110.00
● RTW48-1R1C	48	38.4 - 52.8	1.1	52.8	82/85	50M0445	112.00
● RTW48-2R1	48	38.4 - 52.8	2.1	100.8	85/88	50M0446	138.00

➤ CONTINUED ➤

SWITCHING POWER SUPPLIES

RTW SERIES SINGLE OUTPUT INDUSTRIAL POWER SUPPLIES (CONT.)

Mfg. Part No.	Output Voltage (V)	Output Range (V)	Max. Current (A)	Output Power (W)	Efficiency (%)*	Stock No.	Price Each
● RTW48-2R1C	48	38.4 - 52.8	2.1	100.8	85/88	50M0447	141.00
● RTW48-3R2	48	38.4 - 52.8	3.2	153.6	86/89	50M0448	190.00
● RTW48-3R2C	48	38.4 - 52.8	3.2	153.6	86/89	50M0449	193.00
● RTW48-6R5H	48	33.6 - 55	6.5	312	86/89	50M0450	327.00
● RTW48-6R5L	48	33.6 - 55	6.5	312	86/89	50M0451	322.00

Note: Safety approvals do not cover DC input
 * 100/200VAC
 (95187)

HK-A SERIES SINGLE OUTPUT 115VAC INPUT INDUSTRIAL POWER SUPPLIES



TDK-Lambda
Innovating Reliable Power



- Small size, low profile design
- Adjustable potentiometer
- 85 - 132VAC input, 47-440Hz
- ±10% output adjustment
- 3-year manufacturer's warranty
- UL listed, CSA certified



HK-A series single output 115VAC input industrial power supplies are convection cooled units. Ideal for factory automation applications such as process control, NC-machining, packaging equipment, materials handling, chemical processing and robots. Used for test and measurement applications such as burn-in and test, automated test, instrumentation, measurement and detection. Also popular for automatic service applications such as vending machines, elevators, video gaming and point-of-sale equipment. Operating temperature range: 0°C to +60°C uncovered, 0°C to +50°C covered.

Mfg. Part No.	Output Range (V)	Max. Current (A)*	Power (W)	H x L x D Dimensions (mm)	Stock No.	Price Each
● HK10A-5/A	4.5 - 5.5	2	10	2.83 x 2.83 x 1.02	80K5870	27.00
● HK15A-5/A	4.5 - 5.5	3	15	2.83 x 3.31 x 1.08	80K5877	33.00
● HK25A-5/A	4.5 - 5.5	5	25	2.83 x 3.90 x 1.26	80K5883	39.00
● HK50A-5/A	4.5 - 5.5	10	50	2.83 x 4.69 x 1.38	80K5887	56.50
● HK100A-5/A	4.5 - 5.5	20	100	3.66 x 5.91 x 1.52	80K5873	94.00
● HK150A-5/A	4.5 - 5.5	30	150	3.66 x 6.69 x 1.85	80K5880	128.00
● HK10A-12/A	10.8 - 13.2	0.9	10	2.83 x 2.83 x 1.02	80K5868	27.00
● HK15A-12/A	10.8 - 13.2	1.3	15	2.83 x 3.31 x 1.08	80K5874	33.00
● HK25A-12/A	10.8 - 13.2	2.1	25	2.83 x 3.90 x 1.26	80K5881	39.00
● HK50A-12/A	10.8 - 13.2	4.2	50	2.83 x 4.69 x 1.38	80K5884	56.50
● HK100A-12/A	10.8 - 13.2	8.5	100	3.66 x 5.91 x 1.52	80K5871	94.00
● HK150A-12/A	10.8 - 13.2	12.5	150	3.66 x 6.69 x 1.85	87H0959	128.00
● HK10A-15/A	13.5 - 16.5	0.7	10	2.83 x 2.83 x 1.02	84K0209	27.00
● HK15A-15/A	13.5 - 16.5	1	15	2.83 x 3.31 x 1.08	80K5875	33.00
● HK25A-15/A	13.5 - 16.5	1.7	25	2.83 x 3.90 x 1.26	80K5882	39.00
● HK50A-15/A	13.5 - 16.5	3.4	50	2.83 x 4.69 x 1.38	80K5885	56.50
● HK100A-15/A	13.5 - 16.5	7	100	3.66 x 5.91 x 1.52	80K5872	94.00
● HK150A-15/A	21.6 - 26.4	4.5	100	3.66 x 5.91 x 1.52	80K5878	128.00
● HK10A-24/A	21.6 - 26.4	0.5	10	2.83 x 2.83 x 1.02	80K5869	27.00
● HK15A-24/A	21.6 - 26.4	0.7	15	2.83 x 3.31 x 1.08	80K5876	33.00
● HK25A-24/A	21.6 - 26.4	1.1	25	2.83 x 3.90 x 1.26	71K4909	39.00
● HK50A-24/A	21.6 - 26.4	2.2	50	2.83 x 4.69 x 1.38	80K5886	56.50
● HK100A-24/A	21.6 - 26.4	4.5	100	3.66 x 5.91 x 1.52	82K8579	94.00
● HK150A-24/A	21.6 - 26.4	6.5	150	3.66 x 6.69 x 1.85	80K5879	128.00

*Derate to 80% load from 0°C to -10°C
 (80438)

KW SERIES COMPACT AC-TO-DC PC BOARD MOUNT POWER SUPPLIES



TDK-Lambda
Innovating Reliable Power



Ultra small and lightweight. Low noise conducted EMI Class B. -10°C to +70°C continuous operation. AC input 85VAC to 265VAC, 47-440Hz. UL listed, CSA certified, CE compliant.



Mfg. Part No.	Output Voltage (V)	Power (W)	Max. Current (A)	Stock No.	Price Each
● KWS5-5	5	5	1	83F2449	51.00
● KWS10-5	5	10	2	96M0419	65.00
● KWS15-5	5	15	3	55M3866	76.00
● KWS5-12	12	5	0.45	83F2447	51.00
● KWS10-12	12	10	0.9	96M0417	65.00
● KWS15-12	12	15	1.3	83F2444	76.00
● KWS5-15	15	5	0.35	83F2448	51.00

➔ CONTINUED ➔

KW SERIES COMPACT AC-TO-DC PC BOARD MOUNT POWER SUPPLIES (CONT.)

Mfg. Part No.	Output Voltage (V)	Power (W)	Max. Current (A)	Stock No.	Price Each
● KWS10-15	15	10	0.7	96M0418	65.00
● KWS15-15	15	15	1	83F2445	76.00
● KWD5-1212	±12	5	0.22	83F2439	58.00
● KWD5-1515	±15	5	0.18	83F2440	58.00
● KWD10-1212	±12	10	0.45	83F2435	73.00
● KWD10-1515	±15	10	0.36	83F2436	73.00
● KWD15-1212	±12	15	0.65	83F2437	86.00
● KWD15-1515	±15	15	0.52	83F2438	86.00

(52173)

KM SERIES 5-40W MEDICAL AC-DC BOARD MOUNT POWER SUPPLIES



TDK-Lambda
Innovating Reliable Power

- Small size and lightweight
- PC board mountable
- Wide range input
- Medical safety certifications (4kVAC input - output)
- Class II (no ground needed)



KM series small size and high efficiency minimizes PCB space, while lowering heat dissipated in system. Features a wide range input for global use with no manual intervention.

SPECIFICATIONS:

Mfg. Part No.	KMS15	KMD15	KMT15	KMS40	KMD40	KMT40
Input Voltage Range:	90 - 264VAC 47 - 440Hz or 110 - 375VDC					
Switching Frequency:	132 kHz					
Ripple & Noise (pk-pk):	50mV or 1%, whichever is greater					
Conducted EMI:	EN55011 Class B			EN55011 Class A		
Operating Temperature:	-25°C to 70°C, derate linearly to 50% load from 50°C to 70°C. Max case temperature 95°C.					
Safety Agency Certification:	UL60601-1, IEC60601-1, CE Mark					
Dimensions (LxWxH):	2.52 x 1.79 x 0.92"			3.5 x 2.5 x 1.06"		

Mfg. Part No.	Output Power (W)	Output 1 (VDC) + (V) (A)	Output 2 (VDC) - (V) (A)	Output 3 (VDC) (V) (A)	Efficiency (%)	Stock No.	Price Each
● KMS15-3P3	9.9	3.3 3	...	...	74	66M7771	49.62
● KMS40-3P3	26.4	3.3 8	...	...	75	66M7777	74.62
● KMS15-5	15	5 3	...	...	78	66M7772	49.62
● KMS40-5	40	5 8	...	...	79	66M7778	74.62
● KMS15-9	15	9 1.67	...	...	79	66M7773	49.62
● KMS40-9	40	9 4.44	...	...	82	66M7779	74.62
● KMS15-12	15	12 1.25	...	...	81	66M7768	49.62
● KMS40-12	40	12 3.33	...	...	83	66M7774	74.62
● KMS15-15	15	15 1	...	...	81	66M7769	49.62
● KMS40-15	40	15 2.67	...	...	83	66M7775	74.62
● KMS15-24	15	24 0.62	...	...	83	66M7770	49.62
● KMS40-24	40	24 1.67	...	...	83	66M7776	74.62
● KMD15-55	15	5 1.5	5 1.5	...	78	66M7762	53.85
● KMD40-55	40	5 4	5 4	...	79	66M7767	80.00
● KMD40-512	40	5 5	12 1.25	...	80	66M7765	80.00
● KMD40-524	40	5 5	24 0.625	...	80	66M7766	80.00
● KMD15-1212	15	12 0.625	12 0.625	...	80	66M7760	53.85
● KMD40-1212	40	12 1.66	12 1.66	...	83	66M7763	80.00
● KMD15-1515	15	15 0.5	15 0.5	...	81	66M7761	53.85
● KMD40-1515	40	15 1.33	15 1.33	...	81	66M7764	80.00
● KMT15-51212	15	5 2	+12 0.2	-12 0.2	78	66M7780	70.00
● KMT40-51212	40	5 5	+12 0.6	-12 0.6	80	66M7782	95.00
● KMT15-51515	15	5 2	+15 0.15	-15 0.15	78	66M7781	70.00
● KMT40-51515	40	5 5	+15 0.5	-15 0.5	80	66M7783	95.00

(10358)

Huge Expanded Selection of Semiconductors

(148843)

Go online to find new technologies and proven solutions from world-class and specialist suppliers.

SWITCHING POWER SUPPLIES

KPSA SERIES 5-15 WATT
AC/DC BOARD MOUNT
POWER SUPPLIES
TDK-Lambda
Innovating Reliable Power

Just Added



- Low profile
- Smaller footprint
- PC board mountable

KPSA series features a smaller footprint to minimize PCB space and a wide range input for global use with no manual intervention. Easy to use no external components or ground connector needed. Ideal for applications such as factory automation, printers, motor drives and kiosks. Class II UL approved, CE compliant.



Mfg. Part No.	Output Voltage (V)	Output Current (A)	Output Power (W)	Stock No.	Price Each
● KPSA53R3	3.3	1.25	4.1	19P2380	19.23
● KPSA55	5	1	5	19P2381	19.23
● KPSA512	12	0.42	5	19P2377	19.23
● KPSA515	15	0.33	5	19P2378	19.23
● KPSA524	24	0.23	5.5	19P2379	19.23
● KPSA103R3	3.3	2.5	8.3	19P2370	24.62
● KPSA153R3	3.3	3	9.9	19P2375	29.62
● KPSA105	5	2	10	19P2371	24.62
● KPSA1012	12	0.84	10.1	19P2367	24.62
● KPSA1015	15	0.67	10.1	19P2368	24.62
● KPSA1024	24	0.42	10.1	19P2369	24.62
● KPSA155	5	3	15	19P2376	29.62
● KPSA1512	12	1.25	15	19P2372	29.62
● KPSA1515	15	1	15	19P2373	29.62
● KPSA1524	24	0.63	15.1	19P2374	29.62

(136318)

KPS SERIES 5 to 15W
AC-DC BOARD MOUNT
POWER SUPPLIES
TDK-Lambda
Innovating Reliable Power


- Small size and lightweight
- PC board mountable
- Low cost
- Universal input voltage
- UL class II approved

Ideal for applications such as factory automation, printers, motor drives and kiosks. Easy to use minimizes PCB space. Global use with no manual intervention. No ground connection needed. Other voltages available; go online or call Newark.

SPECIFICATIONS:

Mfg. Part No.	KPS-5	KPS-10	KPS-15
Input Voltage Range:	85 - 264VAC (47 - 440Hz) or 110 - 370VDC		
Input Frequency:	47 - 440Hz		
Line Regulation:	±0.5%		
Load Regulation:	±1% (10% to 100% load)		
Ripple & Noise:	1% or 50mV whichever is greater		
Conducted & Radiated EMI:	EN55022-B, FCC Class B		
Operating Temperature:	0 to +70°C, derate linearly to 25% load from 40°C to 70°C		
Dimensions; H above PCB:	1.38W x 2.17L x 0.79"H	1.77W x 2.56L x 0.9"H	1.89W x 2.75L x 0.91"H

Mfg. Part No.	Output Voltage (V)	Max. Current (A)	Peak Load (A) (3)*	Output Power (W)	Efficiency (%)	Stock No.	Price Each
● KPS1012	12	0.84	1.2	10.1	75	83K4019	23.00
● KPS1015	15	0.67	1	10.1	75	83K4020	23.00
● KPS1024	24	0.42	0.65	10.1	78	83K4021	23.00
● KPS103R3	3.3	2.5	3.8	8.3	65	83K4022	23.00
● KPS105	5	2	2.8	10	70	83K4023	23.00
● KPS1512	12	1.25	1.8	15	80	83K4024	27.50
● KPS1515	15	1	1.5	15	80	83K4025	27.50
● KPS1524	24	0.63	0.95	15.1	82	83K4026	27.50
● KPS153R3	3.3	3	4.5	9.9	70	83K4027	27.50
● KPS155	5	3	4.5	15	73	83K4028	27.50
● KPS512	12	0.42	...	5	70	83K4029	18.00
● KPS515	15	0.33	...	5	70	83K4030	18.00
● KPS524	24	0.23	...	5.5	77	83K4031	18.00
● KPS53R3	3.3	1.25	...	4.1	70	51M2980	18.00
● KPS55	5	1	...	5	70	83K4033	18.00

* (3) Average not to exceed max power, <30s, 10%, duty cycle (89552)

PFE300-1000 SERIES SINGLE
OUTPUT FULL BRICK AC-DC
POWER SUPPLIES
TDK-Lambda
Innovating Reliable Power

Just Added



- Low profile, small size
- 100°C baseplate temperature
- High power density
- High efficiency
- 2 year warranty



Low profile assists system integration. Easier to cool high efficiency. Power Factor Corrected (PFC) supports global use. Up to 100°C baseplate temperature for operation in harsh environments. Mfg. part no. PFE 500F incorporates current share (F = full featured). T in suffix indicates 3.3mm non-threaded inserts (4).

SPECIFICATIONS:

Mfg. Part No.:	PFE300 PFE500	PFE700	PFE500F	PFE1000F
Input Voltage Range:	85 - 265VAC (PFE-S operation to 440Hz possible (2))			
Input Frequency:	47 - 63Hz			
Power Factor:	0.95 minimum			0.95 minimum, meets EN1000-3-2
Ripple & Noise: (1)	1%	4V	1%	1%
Operating Baseplate Temp.:	-40°C to +85°C-100°C (model dependent)			
Safety Agency Approvals:	UL60950-1, CSA60950-1 (cUL), EN60950-1, CE mark (LVD)			
Dimensions:	2.4W x 0.5H x 4.6"D	2.76W x 0.5H x 4.8"D	3.94W x 0.53H x 6.3"D	

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Max. Current (A)	Output Power (W)	Efficiency (%)	Stock No.	Price Each
● PFE300S-12	12	9.6 - 14.4	25	300	83	12P6480	250.00
● PFE300S-12/T	12	9.6 - 14.4	25	300	83	12P6481	250.00
● PFE500S-12	12	9.6 - 14.4	33	396	83	12P6486	273.00
● PFE500F12	12	9.6 - 14.4	42	504	83	94M5278	354.00
● PFE500F12/T	12	9.6 - 14.4	42	504	83	94M5279	354.00
● PFE300S-28	28	22.4 - 33.6	10.8	302	85	12P6482	250.00
● PFE300S-28/T	28	22.4 - 33.6	10.8	302	85	12P6483	250.00
● PFE500F28	28	22.4 - 33.6	18	504	86	94M5280	354.00
● PFE500F28/T	28	22.4 - 33.6	18	504	86	94M5281	354.00
● PFE500S-28	28	22.4 - 33.6	18	504	86	12P6488	273.00
● PFE300S-48	48	38.4 - 57.6	6.3	302	86	12P6484	250.00
● PFE300S-48/T	48	38.4 - 57.6	6.3	302	86	12P6485	250.00
● PFE500F48	48	38.4 - 57.6	10.5	504	86	94M5282	354.00
● PFE500F48/T	48	38.4 - 57.6	10.5	504	86	94M5283	354.00
● PFE500S-48	48	38.4 - 57.6	10.5	504	86	12P6490	273.00
● PFE700S-48	51	...	14	714	89	12P6492	298.00
● PFE1000F-12	12	9.6 - 14.4	60	720	82	34P0189	677.00
● PFE1000F-12/T	12	9.6 - 14.4	60	720	82	34P0190	677.00
● PFE1000F-28	28	22.4 - 33.6	36	1008	86	34P0191	677.00
● PFE1000F-28/T	28	22.4 - 33.6	36	1008	86	34P0192	677.00
● PFE1000F-48	48	38.4 - 57.6	21	1008	86	34P0193	677.00
● PFE1000F-48/T	48	38.4 - 57.6	21	1008	86	34P0194	677.00

ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each
● ARA00499	EMI Choke, - For PFE Module; Series:PFE	04P1800	12.50
● DFP10112	Input Inductor for PFE300-700	04P1802	1.90

- (1) External components are required, consult Application Notes
(2) Requires the use of an undervoltage relay or similar (97262)

C1U SERIES AC/DC
FRONT-END POWER
SUPPLIES

Just Added


Murata Power Solutions

- 1200W (110/220Vac) output power
- 12V or 48V main output, 3.3V, 5V or 12V standby output
- Dimensions: 1.67 x 5.5 x 14.2"
- 9.2 Watts per cubic inch density
- N+1 redundancy capable
- Active current sharing on main output
- Over-voltage, over-current, over-temperature protection
- Internal cooling fans



C1U-W-1200 series is a 1200 Watt universal AC input, power-factor-corrected (PFC) front-end power supply for general applications. Designed to deliver reliable bulk power to servers, workstations, storage systems or any 12 or 48V distributed power architecture systems requiring high power density. Packaged in a 1U low profile.

Mfg. Part No.	Power Output Universal Line (W)	Main Output (V)	Standby Output (V)	Airflow	Stock No.	Price Each
● C1U-W-1200-12-TC1C	1200	12	3.3	Front to back	12N3606	792.19
● C1U-W-1200-12-TC2C	1200	12	3.3	Back to front	12N3607	792.19
● C1U-W-1200-12-TA1C	1200	12	5	Front to back	12N3604	792.19
● C1U-W-1200-12-TA2C	1200	12	5	Back to front	12N3605	792.19
● C1U-W-1200-48-TC1C	1200	48	3.3	Front to back	12N3612	792.19

➔ CONTINUED ➔

SWITCHING POWER SUPPLIES

C1U SERIES AC/DC FRONT-END POWER SUPPLIES (CONT.)

Mfg. Part No.	Power Output Universal Line (W)	Main Output (V)	Standby Output (V)	Airflow	Stock No.	Price Each 1-9
● C1U-W-1200-48-TC2C	1200	48	3.3	Back to front	12N3613	792.19
● C1U-W-1200-48-TA1C	1200	48	5	Front to back	12N3608	792.19
● C1U-W-1200-48-TA2C	1200	48	5	Back to front	12N3609	792.19
● C1U-W-1200-48-TB1C	1200	48	12	Front to back	12N3610	792.19
● C1U-W-1200-48-TB2C	1200	48	12	Back to front	12N3611	792.19

(136084)

D1U SERIES
AC/DC FRONT-END
POWER SUPPLIES

Just Added



- 1200W (110VAC), 1600W and 2000W (220VAC) OR 2800W (220VAC)
- 12V, 48V or -52V main output with 3.3V, 5V or 12V standby
- 1U enclosure with integrated fans
- High-power density
- 90.6% efficiency



Designed to deliver reliable bulk power to servers, workstations, storage systems or any 12, 48V or -52V distributed power architecture systems requiring high power density. Order 12V or 48V D1U output connector card and 1U 19" power-shelf separately below.

12V

Mfg. Part No.	Power Output High Line AC (W)	Power Output Low Line AC (W)	Output Voltage (V)	Standby Output (V)	Stock No.	Price Each 1-9
● D1U-W-1200-12-HC2C	1200	900	12	3.3	87K3704	676.00
● D1U-W-1200-12-HA2C	1200	900	12	5	87K3702	676.00
● D1U-W-1600-12-HC2C	1600	1200	12	3.3	87K3706	739.38
● D1U-W-1600-12-HA2C	1600	1200	12	5	87K3705	739.38

48V

● D1U-W-1200-48-HC2C	1200	900	48	3.3	16M6064	676.00
● D1U-W-1200-48-HA2C	1200	900	48	5	16M6062	676.00
● D1U-W-1200-48-HB2C	1200	900	48	12	16M6063	676.00
● D1U-W-1600-48-HC2C	1600	1200	48	3.3	16M6067	739.38
● D1U-W-1600-48-HA2C	1600	1200	48	5	16M6065	739.38
● D1U-W-1600-48-HB2C	1600	1200	48	12	16M6066	739.38
● D1U-W-2000-48-HC2C	2000	1200	48	3.3	16M6070	781.63
● D1U-W-2000-48-HA2C	2000	1200	48	5	16M6068	781.63
● D1U-W-2000-48-HB2C	2000	1200	48	12	16M6069	781.63

-52V

● D1U-H-2800-52-HB1C	2800	...	-52	12	12P7044	887.25
● D1U-H-2800-52-HB1DC	2800	...	-52	12	12P7045	887.25

ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price 1-9
● D1U-12-CONC	12V D1U Output Connector Card	29M7459	42.25
● D1U-48-CONC	48V D1U Output Connector Card	29M7460	42.25
● D1U-52-CONC	52V D1U Output Connector Card	12N3666	118.30
● SIU-3X-16-A-12-RC	1U x 19" Power-Shelf for 12V D1U Series Power Supplies	29M7461	707.69
● SIU-3X-16-A-48-RC	1U x 19" Power-Shelf for 48V D1U Series Power Supplies	29M7462	707.69

(90059)

CF200/CF350 SERIES 200/350
WATT HIGH DENSITY AC/DC
POWER SUPPLIES

Just Added



- 350W compact high density
- Active load current share
- Universal AC input with Power Factor Correction
- Ruggedized U-channel construction
- RoHS compliant
- Includes ORing diode for N+1 parallel operation
- International regulatory approvals

CF200 and CF350 series switching power supplies utilizes advanced component and circuit technologies to deliver one of the smallest 200/350 Watt switchers. Built to meet 1U height considerations, the U-Frame package measures only 3.30 x 5.00 x 1.50" on the CF200 and 6.80 x 3.86 x 1.40" on the CF350 series. The CF200 and CF350 series offer universal AC input (85-265VAC) with active power factor correction (PFC) and compliance to worldwide safety and EMC standards. CE Compliant, UL recognized.



Mfg. Part No.	Power Output (W)	Main Output (V)	Standby Output (V)	Stock No.	Price Each 1-9
● CF200-A12C	200	12	5	19P0171	171.12
● CF350-A12C	350	12	5	08P6263	230.27

➔ CONTINUED ➔

CF200/CF350 SERIES 200/350 WATT HIGH DENSITY AC/DC POWER
SUPPLIES (CONT.)

Mfg. Part No.	Power Output (W)	Main Output (V)	Standby Output (V)	Stock No.	Price Each 1-9
● CF350-A24C	350	24	5	08P6264	217.59
● CF350-A48C	350	48	5	08P6265	217.59

(136293)

D1U4 SERIES AC/DC
FRONT-END POWER
SUPPLIES

Just Added



- 1200W or 1600W (220VAC) output power
- 12V main output, 3.3V or 5V standby output
- 13.4 or 17.9 watts per cubic inch density
- N+1 redundancy capable, including hot-docking
- Over-voltage, over-current, over-temperature protection
- Internal cooling fans
- I²C bus interface with status indicators



D1U4 series are power-factor-corrected (PFC) front-end power supplies for hot-swapping redundant systems. Designed to deliver reliable bulk power to servers, workstations, storage systems or any 12 or 48V distributed power architecture systems requiring high power density. Status information is provided with front panel LEDs, logic signals and I²C management interface. Three D1U4-W-1200 series or four D1U4-W-1600 series units can be packaged into an optional 19" 1U power shelf to provide up to 3.6kW or 6.4 kW of power.

D1U4-W-1200 AND D1U4-W-1600 SERIES — DIMENSIONS: 14.0 x 4.0 x 1.6"

Mfg. Part No.	Power Output High Line AC (W)	Power Output Low Line AC (W)	Main Output (V)	Standby Output (V)	Airflow	Stock No.	Price Each 1-9
● D1U4-W-1200-12-HC1C	1200	900	12	3.3	Front to back	12N3669	676.00
● D1U4-W-1200-12-HC2C	1200	900	12	3.3	Back to front	12N3670	676.00
● D1U4-W-1200-12-HA1C	1200	900	12	5	Front to back	12N3667	676.00
● D1U4-W-1200-12-HA2C	1200	900	12	5	Back to front	12N3668	676.00
● D1U4-W-1600-12-HC1C	1600	1200	12	3.3	Front to back	12N3673	739.38
● D1U4-W-1600-12-HC2C	1600	1200	12	3.3	Back to front	12N3674	739.38
● D1U4-W-1600-12-HA1C	1600	1200	12	5	Front to back	12N3671	739.38
● D1U4-W-1600-12-HA2C	1600	1200	12	5	Back to front	12N3672	739.38

(136086)

CEF400-112C 400 WATT OPEN
FRAME AC/DC POWER SUPPLY

Just Added



- 400W continuous output power
- IEC EN61000-3-2 compliance
- Remote sense compensation
- AC Power Fail signal
- DC Power Good signal
- Remote Inhibit control
- Droop current share
- Over-voltage, over-current protection
- Thermal overload protection
- Built-in OR-ing FET



CEF400-112C is a 400W active power-factor-corrected (PFC) front-end power supply for distributed power architecture (DPA) systems requiring high power density in a 1U low profile package. The built-in OR-ing FET allows the power supply to operate in active current sharing mode for redundant (N+1) operation. Additional features include I²C interface, built-in fan and a 5V standby auxiliary output. CEF400-112C provides reliable 12V bulk power for Information Technology Equipment and industrial applications.

Mfg. Part No.	Power Output (W)	Output Voltage (V)	Standby Output (V)	Stock No.	Price Each 1-9
● CEF400-112C	400	12	5	08P6261	268.71

(136294)

SCP SERIES: EXTREME
ENVIRONMENT POWER SUPPLIES

Just Added

- Features:
- IP66/67 versatile, NEMA 4X Rated
 - Listed power supply for stand alone applications
 - Can be mounted in any orientation without limitation
 - Universal input
 - High ambient temperature up to 60°C without derating
 - Worldwide approvals
 - DC OK green LED
 - Limited five-year warranty



Mfg. part no. SCP100S24X-CP is designed for control power applications where a grounded power supply output is required and mfg. part no. SCP100S24X-DVN for DeviceNet™ application where an isolated output from ground is required.

➔ CONTINUED ➔

SWITCHING POWER SUPPLIES

SCP SERIES: EXTREME ENVIRONMENT POWER SUPPLIES (CONT.)

Mfg. Part No.	Power (W)	Output Voltage (V)	Output Current (A)	Stock No.	Price Each
● SCP100S24X-CP	95	24	3.8	08N8132	308.21
● SCP100S24X-DVN	95	24	3.8	46P6867	308.21

(84800)

GL SERIES SINGLE- AND MULTI-OUTPUT SWITCHERS

Just Added



- Industry standard footprints
- Universal input (85-264VAC)
- Full power to 50°C
- High demonstrated MTBF
- Automatic overvoltage protection
- Overload protection
- Built-in EMI Filtering
- Extensive safety approvals
- Derated operation to 70°C
- 250 VA and higher VA size enclosed
- Two-year limited warranty

GL series provides a broad range of AC/DC power supply solutions that covers power ratings from 25 watts to 500 watts for use in various industrial and medical applications requiring standard footprint size and very high reliability. These low-profile AC/DC switchers offer universal input voltage with no switches or jumpers, ideal for higher volume worldwide applications. T suffix indicates with terminal block; M suffix for medical models; C suffix with cover; CEF with cover and end fan and CF with cover and top fan.

DIMENSIONS: 5.00 × 3.00 × 1.14" (L x W x H)

Mfg. Part No.	Output 1	Output 2	Output 3	Output 4	Power Rating (W)	Stock No.	Price Each
● GLS22	5V, 5A*	...	...	...	25	87P0920	54.36
● GLS23	12V, 2.1A*	...	...	...	25	87P0922	54.36
● GLS24	15V, 1.7A*	...	...	...	25	87P0924	54.36
● GLT22	5V, 3A	12V, 1.5A	-12V, 0.5A	...	25	87P0969	51.77
● GLT23	5V, 4A	12V, 0.5A	-12V, 0.5A	...	25	87P0971	56.95
● GLT24	5V, 3A	12V, 1.5A	-5V, 0.5A	...	25	87P0973	56.95
● GLT25	5V, 3A	15V, 1.5A	-15V, 0.5A	...	25	87P0975	56.95
● GLS42	5V, 8A*	...	...	...	40	87P0933	59.53
● GLS43	12V, 3.3A*	...	...	...	40	87P0936	59.53
● GLS44	15V, 2.6A*	...	...	...	40	87P0939	59.53
● GLS45	24V, 1.6A*	...	...	...	40	87P0942	59.53
● GLS42-M	5V, 8A	...	...	...	40	87P0934	71.18
● GLS43-M	12V, 3.3A	...	...	...	40	87P0937	71.18
● GLS44-M	15V, 2.6A	...	...	...	40	87P0940	71.18
● GLS45-M	24V, 1.6A	...	...	...	40	87P0943	71.18
● GLT42	5V, 4A	12V, 2A	-12V, 0.5A	...	40	87P0977	54.36
● GLT43	5V, 6A	12V, 0.5A	-12V, 0.5A	...	40	87P0980	62.12
● GLT44	5V, 4A	12V, 2A	-5V, 0.5A	...	40	87P0982	62.12
● GLT45	5V, 4A	15V, 2A	-15V, 0.5A	...	40	87P0984	62.12
● GLT46	5V, 4A	24V, 1A	+12V, 0.5A	...	40	87P0987	62.12
● GLT42-M	5V, 4A	12V, 2A	-12V, 0.5A	...	40	87P0978	76.36
● GLT45-M	5V, 4A	15V, 2A	-15V, 0.5A	...	40	87P0985	76.36

DIMENSIONS: 4.00 × 2.00 × 1.3" (L x W x H)

● GLS52	5V, 11A	...	...	...	55	87P0951	63.80
● GLS52-M	5V, 11A	...	...	...	55	87P0952	75.63
● GLT52	5V, 8A	12V, 3A	-12V, 0.5A	...	55	87P0989	68.54
● GLT53	5V, 8A	15V, 2.4A	-15V, 0.5A	...	55	87P0991	68.54
● GLT54	5V, 8A	24V, 1.5A	-12V, 0.5A	...	55	87P0993	68.54
● GLT52-M	5V, 8A	12V, 3A	-12V, 0.5A	...	55	87P0990	80.34
● GLT53-M	5V, 8A	15V, 2.4A	-15V, 0.5A	...	55	87P0992	80.34
● GLT54-M	5V, 8A	24V, 1.5A	-12V, 0.5A	...	55	87P0994	80.34
● GLS53	12V, 5A*	...	...	...	60	87P0953	63.80
● GLS53**	12V, 5A	...	...	...	60	87P0955	68.99
● GLS54	15V, 4A*	...	...	...	60	87P0956	63.80
● GLS55	24V, 2.5A*	...	...	...	60	87P0958	63.80
● GLS58	48V, 1.25A*	...	...	...	60	87P0960	63.80
● GLS53-M	12V, 5A*	...	...	...	60	87P0954	75.63
● GLS54-M	15V, 4A*	...	...	...	60	87P0957	75.63
● GLS55-M	24V, 2.5A*	...	...	...	60	87P0959	75.63
● GLS58-M	48V, 1.25A*	...	...	...	60	87P0961	75.63

DIMENSIONS: 5.00 × 3.00 × 1.69" (L x W x H)

● GLS62	5V, 12A*	...	...	...	60	87P0962	77.32
● GLS63	12V, 5A*	...	...	...	60	87P0963	77.32
● GLS64	15V, 4A*	...	...	...	60	87P0965	77.32
● GLS65	24V, 2.5A*	...	...	...	60	87P0967	77.32

▶ CONTINUED ▶

GL SERIES SINGLE- AND MULTI-OUTPUT SWITCHERS (CONT.)

DIMENSIONS: 5.00 × 3.00 × 1.69" (L x W x H)

Mfg. Part No.	Output 1	Output 2	Output 3	Output 4	Power Rating (W)	Stock No.	Price Each
● GLS63-M	12V, 5A*	...	...	...	60	87P0964	87.98
● GLS64-M	15V, 4A*	...	...	...	60	87P0966	87.98
● GLS65-M	24V, 2.5A*	...	...	...	60	87P0968	87.98
● GLT62	5V, 7A	12V, 3A	-12V, 0.7A	...	60	87P0995	71.18
● GLT63	5V, 7A	15V, 2.8A	-15V, 0.7A	...	60	87P0997	82.65
● GLT64	5V, 7A	12V, 3A	-5V, 0.7A	...	60	87P0999	82.65
● GLT65	5V, 7A	24V, 1.5A	+12V, 0.7A	...	60	87P1000	82.65
● GLT62-M	5V, 7A	12V, 3A	-12V, 0.7A	...	60	87P0996	93.31
● GLT63-M	5V, 7A	15V, 2.8A	-15V, 0.7A	...	60	87P0998	93.31

DIMENSIONS: 7.00 × 4.00 × 1.8" (L x W x H)

● GLS114	15V, 5.3A*	...	...	...	110	87P0900	149.29
● GLS115	24V, 3.3A*	...	...	...	110	87P0901	149.29
● GLQ112	5V, 9A	12V, 4.5A	-12V, 0.7A	...	110	87P0882	173.29
● GLQ113	5V, 9A	15V, 4.5A	-15V, 0.7A	...	110	87P0883	173.29
● GLQ114	5V, 9A	12V, 4.5A	-12V, 1A	...	110	87P0884	173.29

DIMENSIONS: 7.00 × 4.00 × 2.5" (L x W x H)

● GLQ123	3.3V, 14A	5V, 12.5A	12V, 1A	-12V, 0.5A	120	87P0885	235.54
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DIMENSIONS: 5.00 × 3.00 × 1.29" (L x W x H)

● GLS122	5V, 16A*	...	...	...	130	87P0902	191.54
● GLS123	12V, 6.6A*	...	...	...	130	87P0903	191.54

DIMENSIONS: 7.00 × 4.00 × 1.5" (L x W x H)

● GLQ142	5V, 12A	12V, 5A	-12V, 1A	±3.3-25V, 1.5A*	145	87P0886	269.18
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DIMENSIONS: 8.5 × 4.25 × 1.5" (L x W x H)

● GLS152	5V, 22A*	...	...	...	150	87P0904	253.27
● GLS153	12V, 9.1A*	...	...	...	150	87P0905	253.27
● GLS155	24V, 4.5A*	...	...	...	150	87P0906	253.27

DIMENSIONS: 4.00 × 2.00 (L x W)

● GLS102-M	5V, 16A	...	...	...	150	87P0895	194.12
● GLS103-M	12V, 8.3A	...	...	...	150	87P0896	194.12
● GLS104-M	15V, 6.7A	...	...	...	150	87P0897	194.12
● GLS105-M	24V, 4.2A	...	...	...	150	87P0898	194.12
● GLS108-M	48V, 2.1A	...	...	...	150	87P0899	194.12

DIMENSIONS: 8.5 × 4.25 × 1.5" (L x W x H)

● GLQ152	5V, 15A	12V, 2.6A	-12V, 2A	±5-25V, 2.5A*	150	87P0887	274.59
● GLQ153	5V, 15A	15V, 4.8A	-15V, 1.6A	±5-25V, 2.5A*	150	87P0888	274.59
● GLQ154	5V, 15A	12V, 6A	-12V, 2A	24V, 3.5A	150	87P0889	274.59
● GLS172	5V, 22A*	...	...	...	175	87P0907	297.86
● GLS173	12V, 9.1A*	...	...	...	175	87P0909	297.86
● GLS174	15V, 7.3A*	...	...	...	175	87P0911	297.86
● GLS175	24V, 4.5A*	...	...	...	175	87P0913	297.86
● GLS172-M	5V, 22A*	...	...	...	175	87P0908	338.94
● GLS173-M	12V, 9.1A*	...	...	...	175	87P0910	338.94
● GLS174-M	15V, 7.3A*	...	...	...	175	87P0912	338.94
● GLS175-M	24V, 4.5A*	...	...	...	175	87P0914	338.94
● GLQ172	5V, 15A	12V, 6A	-12V, 0.2A	±3.3-25V, 2A*	175	87P0890	320.35

DIMENSIONS: 5.00 × 3.00 (L x W)

● GLS202-M	5V, 20A	...	...	...	250	87P0915	323.54
● GLS203-M	12V, 10.3A	...	...	...	250	87P0916	323.54
● GLS204-M	15V, 8.3A	...	...	...	250	87P0917	323.54
● GLS205-M	24V, 5.2A	...	...	...	250	87P0918	323.54
● GLS208-M	48V, 6.2A	...	...	...	250	87P0919	323.54

DIMENSIONS: 9.00 × 5.00 × 2" (L x W x H)***

● GLS253-C	12V, 21A	...	...	...	250	87P0926	396.01
● GLS255-C	24V, 10.4A*	...	...	...	250	87P0927	396.01

DIMENSIONS: 9.00 × 5.00 × 2.5" (L x W x H)***

● GLQ252-C	5V, 35A	12V, 10A	-12V, 6A	±5-25V, 6A*	250	87P0891	421.22
● GLQ253-C	5V, 35A	15V, 10A	-15V, 6A	±5-25V, 6A*	250	87P0892	421.22
● GLS352-C	5V, 70A	...	...	...	350	87P0928	540.95
● GLS353-C	12V, 29.2A*	...	...	...	350	87P0929	540.95
● GLS354-C	15V, 23.3A*	...	...	...	350	87P0930	540.95
● GLS355-C	24V, 14.6A*	...	...	...	350	87P0931	590.13
● GLS355-CEF	24V, 14.6A*	...	...	...	350	87P0932	590.13
● GLQ352-C	5V, 50A	12V, 12A	-12V, 6A	±3.3-24V, 6A*	350	87P0893	590.13
● GLQ352-CEF	5V, 50A	12V, 12A	-12V, 6A	±3.3-24V, 6A*	350	87P0894	639.30

DIMENSIONS: 7.00 × 4.00 × 1.5" (L x W x H)***

● GLS503-CF	12V, 41.7A	...	...	...	500	87P0945	797.19
● GLS505-CF	24V, 20.8A	...	...	...	500	87P0947	797.19
● GLS508-CF	48V, 10.4A	...	...	...	500	87P0949	797.19
● GLS503-M-CF	12V, 41.7A	...	...	...	500	87P0946	892.95
● GLS505-M-CF	24V, 20.8A	...	...	...	500	87P0948	892.95
● GLS508-M-CF	48V, 10.4A	...	...	...	500	87P0950	892.95

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SWITCHING POWER SUPPLIES

GL SERIES SINGLE- AND MULTI-OUTPUT SWITCHERS (CONT.)

ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each
● GLX110-B	Bracket kit for the GL110	87P1001	15.53
● GLX110-C	Cover kit for the GL110	87P1002	15.53
● GLX120	Enclosure kit for the GL120	87P1003	15.53
● GLX140-C	Cover kit for the GL140	87P1004	15.53
● GLX140-CF	Cover with top fan kit for the GL140	87P1005	38.83
● GLX150-C	Cover kit for the GL150	87P1006	15.53
● GLX170-C	Cover kit for the quad output GL170	87P1007	15.53
● GLX17S-C	Cover kit for the single output GL170	87P1008	15.53
● GLX250-CEF	Cover end fan kit for the GL250	87P1010	77.65
● GLX250-CF	Cover with top fan kit for the GL250/350	87P1011	51.78
● GLX40	Enclosure kit for the GL20 and GL40	87P1012	12.95
● GLX50	Enclosure kit for the GL50 and GL100-M	87P1013	12.95
● GLX60	Enclosure kit for the GL60	87P1014	12.95
● GLX80	Enclosure kit for the GL80 and GL200-M	87P1015	12.95
● 70-841-005	GLX250 Mating Connector Kit	87P1016	12.95
● 70-841-006	GLX40, GLX50 and GLX60 Mating Connector Kit	87P1017	9.71
● 70-841-007	GLS110 Mating Connector Kit	87P1018	12.95
● 70-841-008	GLQ110 Mating Connector Kit	87P1019	12.95
● 70-841-009	GLS150 Mating Connector Kit	87P1020	12.95
● 70-841-010	GLQ150 Mating Connector Kit	87P1021	12.95
● 70-841-012	GLQ123 Mating Connector Kit	87P1022	12.95
● 70-841-015	GLQ170 Mating Connector Kit	87P1023	12.95
● 70-841-016	GLS170 Mating Connector Kit	87P1024	12.95
● 70-841-017	GLQ142 Mating Connector Kit	87P1025	12.95
● 70-841-020	GLS120 Mating Connector Kit	87P1026	12.95
● 70-841-024	GLS500 Mating Connector Kit	87P1027	12.95

*Floating output

**Industrial version - Operating temperature -40°C to 80°C

***30 CFM of air is needed for full rating of models with 250 Watts and higher power (3344)

ECL10/15/25 SERIES 10W, 15W AND 25W AC/DC SINGLE OUTPUT POWER SUPPLIES



Just Added



ECL10/15/25



ECL10-E



ECL25

- Low cost
- Ultra compact size
- Single output 3.3 to 48 V
- PCB mount and open frame
- Class II
- Peak load capability

For medically approved 15 W power supplies see CU15-M, go online or call.

SPECIFICATIONS:

Mfg. Part No.	ECL10	ECL15	ECL25
Input Voltage Range:	85 - 264VAC or 120 - 370VDC		
Input Frequency:	47 - 63Hz		
Line Regulation:	±0.5% max		
Load Regulation:	±1% max		
Ripple & Noise:	3.3-5 V versions: 50mV pk-pk, 12-15 V versions: 120mV pk-pk, 24-48 V versions: 200mV pk-pk, 20MHz BW		
EMC:	EN55022, level B conducted and radiated		
Operating Temperature:	-20°C to +70°C, derate linearly from 100% at +50°C to 50% at +70°C		

10W, OPEN FRAME PCB MOUNT, DIMENSIONS: 1.00W x 2.00L x 0.91"H

Mfg. Part No.	Output Power (W)	Output Voltage (V)	Output Current (A)	Peak Current (A)*	Efficiency (%)	Stock No.	Price Each 1-4
● ECL10US03-P	8.6	3.3	2.6	3.38	72	32M6275	24.00
● ECL10US05-P	10	5	2	2.6	75	32M6277	24.00
● ECL10US09-P	10	9	1.1	1.43	78	32M6279	24.00
● ECL10US12-P	10	12	0.83	1.08	78	32M6281	24.00
● ECL10US15-P	10	15	0.67	0.87	80	32M6283	24.00
● ECL10US24-P	10	24	0.42	0.55	82	32M6285	24.00
● ECL10US48-P	10	48	0.21	0.27	82	32M6287	24.00

10W, OPEN FRAME CHASSIS MOUNT, DIMENSIONS: 1.00W x 2.60L x 0.85"H

● ECL10US03-T	8.6	3.3	2.6	3.38	72	32M6276	27.00
● ECL10US05-T	10	5	2	2.6	75	32M6278	27.00
● ECL10US09-T	10	9	1.1	1.43	78	32M6280	27.00

➤ CONTINUED ➤

ECL10/15/25 SERIES 10W, 15W AND 25W AC/DC SINGLE OUTPUT POWER SUPPLIES (CONT.)

10W, OPEN FRAME CHASSIS MOUNT, DIMENSIONS: 1.00W x 2.60L x 0.85"H

Mfg. Part No.	Output Power (W)	Output Voltage (V)	Output Current (A)	Peak Current (A)*	Efficiency (%)	Stock No.	Price Each 1-4
● ECL10US12-T	10	12	0.83	1.08	78	32M6282	27.00
● ECL10US15-T	10	15	0.67	0.87	80	32M6284	27.00
● ECL10US24-T	10	24	0.42	0.55	82	32M6286	27.00
● ECL10US48-T	10	48	0.21	0.27	82	32M6288	27.00

10W, ENCAPSULATED PCB MOUNT, DIMENSIONS: 1.07W x 2.06L x 0.91"H

● ECL10US03-E	8.6	3.3	2.6	3.38	72	89M0081	30.00
● ECL10US05-E	10	5	2	2.6	75	89M0082	30.00
● ECL10US09-E	10	9	1.1	1.43	78	89M0083	30.00
● ECL10US12-E	10	12	0.83	1.08	78	89M0084	30.00
● ECL10US15-E	10	15	0.67	0.87	80	89M0085	30.00
● ECL10US24-E	10	24	0.42	0.55	82	89M0086	30.00
● ECL10US48-E	10	48	0.21	0.27	82	89M0087	30.00

15W, OPEN FRAME PCB MOUNT, DIMENSIONS: 1.25W x 2.50L x 0.96"H

● ECL15US03-P	10	3.3	3	3.9	75	32M6289	29.00
● ECL15US05-P	15	5	3	3.9	78	32M6291	29.00
● ECL15US09-P	15	9	1.67	2.17	80	32M6293	29.00
● ECL15US12-P	15	12	1.25	1.62	80	32M6295	29.00
● ECL15US15-P	15	15	1	1.3	80	32M6297	29.00
● ECL15US24-P	15	24	0.63	0.82	82	32M6299	29.00
● ECL15US48-P	15	48	0.32	0.41	82	32M6301	29.00

15W, OPEN FRAME CHASSIS MOUNT, DIMENSIONS: 1.25W x 3.10L x 0.91"H

● ECL15US03-T	10	3.3	3	3.9	75	32M6290	33.00
● ECL15US05-T	15	5	3	3.9	78	32M6292	33.00
● ECL15US09-T	15	9	1.67	2.17	80	32M6294	33.00
● ECL15US12-T	15	12	1.25	1.62	80	32M6296	33.00
● ECL15US15-T	15	15	1	1.3	80	32M6298	33.00
● ECL15US24-T	15	24	0.63	0.82	82	32M6300	33.00
● ECL15US48-T	15	48	0.32	0.41	82	32M6302	33.00

15W, ENCAPSULATED PCB MOUNT, DIMENSIONS: 1.31W x 2.56L x 0.96"H

● ECL15US03-E	10	3.3	3	3.9	75	89M0088	37.00
● ECL15US05-E	15	5	3	3.9	78	89M0089	37.00
● ECL15US09-E	15	9	1.67	2.17	80	89M0090	37.00
● ECL15US12-E	15	12	1.25	1.62	80	89M0091	37.00
● ECL15US15-E	15	15	1	1.3	80	89M0092	37.00
● ECL15US24-E	15	24	0.63	0.82	82	89M0093	37.00
● ECL15US48-E	15	48	0.32	0.41	82	89M0094	37.00

25W, OPEN FRAME PCB MOUNT, DIMENSIONS: 1.40W x 3.00L x 1.05"H

● ECL25US03-P	20	3.3	6	7.8	75	95M8911	35.00
● ECL25US05-P	25	5	5	6.5	78	95M8913	35.00
● ECL25US09-P	25	9	2.8	3.64	80	95M8915	35.00
● ECL25US12-P	25	12	2.1	2.73	80	95M8917	35.00
● ECL25US15-P	25	15	1.67	2.17	80	95M8919	35.00
● ECL25US24-P	25	24	1.04	1.35	82	95M8921	35.00
● ECL25US48-P	25	48	0.52	0.68	82	95M8923	35.00

25W, OPEN FRAME CHASSIS MOUNT, DIMENSIONS: 1.40W x 3.50L x 1.00"H

● ECL25US03-T	20	3.3	6	7.8	75	95M8912	35.00
● ECL25US05-T	25	5	5	6.5	78	95M8914	35.00
● ECL25US09-T	25	9	2.8	3.64	80	95M8916	35.00
● ECL25US12-T	25	12	2.1	2.73	80	95M8918	35.00
● ECL25US15-T	25	15	1.67	2.17	80	95M8920	35.00
● ECL25US24-T	25	24	1.04	1.35	82	95M8922	35.00
● ECL25US48-T	25	48	0.52	0.68	82	95M8924	35.00

25W, ENCAPSULATED PCB MOUNT, DIMENSIONS: 1.50W x 3.20L x 1.10"H

● ECL25US03-E	20	3.3	6	7.8	75	04R8432	48.00
● ECL25US05-E	25	5	5	6.5	78	04R8433	48.00
● ECL25US09-E	25	9	2.8	3.64	80	04R8434	48.00
● ECL25US12-E	25	12	2.1	2.73	80	04R8435	48.00
● ECL25US15-E	25	15	1.67	2.17	80	04R8436	48.00
● ECL25US24-E	25	24	1.04	1.35	82	04R8437	48.00
● ECL25US48-E	25	48	0.52	0.68	82	04R8438	48.00

* Peak load lasting <30 s with a maximum duty cycle of 10%, average output power not to exceed nominal. (90451)

SWITCHING POWER SUPPLIES

VCT SERIES OPEN FRAME, 40W AND 60W SINGLE OUTPUT SWITCHING POWER SUPPLIES



Just Added



- Low cost
- Universal input
- Convection cooled
- <0.5W no-load input power
- 2"x4" footprint
- Fits 1U applications



SPECIFICATIONS:

Input Voltage:	85-264VAC
Input Frequency:	47-63Hz
Line Regulation:	±0.5% max.
Load Regulation:	±1% max. *
Ripple & Noise:	1% max. pk-pk **
Operating Temperature:	-10° to +70°C, derates from 100% load @ +50°C to 50% load @ 70°C
EMC:	EN55022, Level B conducted and radiated
Dimensions:	0.95"H x 2"W x 4"D

*Load regulation is measured from 60% to full load and from 60% to 20% load (60% ±40% full load);

**Measured at the output connector with a 0.1µF ceramic capacitor and a 10µF electrolytic capacitor

Mfg. Part No.	Output Power (W)	Output Voltage (V)	Output Current (A)	Peak Current (A)	Efficiency (%)	Stock No.	Price Each 1-4
● VCT40US05	40	5	8	10	82	04R9677	28.00
● VCT60US12	60	12	5	6.3	87	04R9678	28.00
● VCT60US15	60	15	4	5	87	04R9679	28.00
● VCT60US24	60	24	2.5	3.1	88	04R9680	28.00

(148731)

ECM SERIES INDUSTRIAL AND MEDICAL APPROVALS 40 /60 WATT COMPACT SINGLE AND TRIPLE OUTPUT POWER SUPPLIES



ECM40



ECM60

- Industrial and medical approvals
- Ultra compact design
- High efficiency to 90%
- Class I and II
- Low leakage current
- 4000VAC isolation
- Dual fused input protection

SPECIFICATIONS:

Input Voltage:	90-264VAC (120-370VDC)
Input Frequency:	47-63Hz; 440Hz
Line Regulation:	±0.5% max
Load Regulation:	± 1% single output, ± 3% V1, ± 5% V2 and V3 multi-output
Ripple & Noise:	1% pk-pk, 20MHz BW
Efficiency:	80 to 85% typical
Operating Temperature:	0° to +70°C
EMC:	EN55022 & EN55011 Class B conducted

OUTPUT POWER: 40W, DIMENSIONS: 1.20 x 2.00 x 4.00" (H x W x D)

Mfg. Part No.	Output 1		Output 2		Output 3		Stock No.	Price Each 1-4
	Voltage (V)	Current (A)	Voltage (V)	Current (A)	Voltage (V)	Current (A)		
● ECM40US05	5	8	...	...	...	...	72K8442	39.00
● ECM40US09	9	4.4	...	...	...	...	72K8443	39.00
● ECM40US12	12	3.5	...	...	...	...	72K8444	39.00
● ECM40US15	15	2.7	...	...	...	...	72K8445	39.00
● ECM40US24	24	1.7	...	...	...	...	71J0110	39.00
● ECM40US48	48	0.9	...	...	...	...	72K8446	39.00
● ECM40UT31	5	6	12	2	-12	0.5	72K8447	52.00
● ECM40UT33	5	6	15	1.5	-15	0.5	72K8448	52.00
● ECM40UT34	3.3	6	5	1.5	12	0.5	72K8449	52.00

OUTPUT POWER: 60W, DIMENSIONS: 1.20 x 2.00 x 4.00" (H x W x D)

● ECM60US05	5	12	...	...	...	...	72K8450	48.00
● ECM60US09	9	6.7	...	...	...	...	72K8451	48.00
● ECM60US12	12	5	...	...	...	...	72K8452	48.00
● ECM60US15	15	4	...	...	...	...	71J0120	48.00
● ECM60US24	24	2.5	...	...	...	...	73K2386	48.00
● ECM60US48	48	1.25	...	...	...	...	72K8453	48.00
● ECM60UT31	5	8	12	3	-12	0.5	72K8454	59.00
● ECM60UT33	5	8	15	2.5	-15	0.5	72K8455	59.00
● ECM60UT34	3.3	8	5	1.5	12	0.5	72K8456	59.00

▶ CONTINUED ▶

ECM SERIES INDUSTRIAL AND MEDICAL APPROVALS 40 /60 WATT COMPACT SINGLE AND TRIPLE OUTPUT POWER SUPPLIES (CONT.)

ACCESSORY, DIMENSIONS: 1.52 x 2.52 x 4.49" (H x W x D)

Mfg. Part No.	Output 1		Output 2		Output 3		Stock No.	Price Each 1-4
	Voltage (V)	Current (A)	Voltage (V)	Current (A)	Voltage (V)	Current (A)		
● ECM40/60 COVER	Cover for ECM40 or ECM60						32M6304	18.00

(83622)

ECM100 AND ECM140 SERIES INDUSTRIAL AND MEDICAL POWER SUPPLIES



Just Added



- Single and dual output
- Class I and II
- Industrial and medical approvals
- Compact design
- High efficiency
- 4000VAC isolation
- Dual fused input protection
- 3 year warranty



ECM100



ECM140

SPECIFICATIONS:	ECM100 Series	ECM140 Series
Input Voltage:	90-264VAC (120-370VDC)	80-264VAC (120-370VDC)
Input Frequency:	47-63Hz; 440Hz	47-400Hz
Line Regulation:	± 0.5% max	
Load Regulation:	± 1% single output, ± 1% V1 and V2, ± 5% V3 and V4 multi-output	± 1% single output
Ripple & Noise:	1% pk-pk, 20MHz BW	
Efficiency:	80 to 85% typical	88% typical
Operating Temperature:	0°C to +70°C	
EMC:	EN55022 and EN55011 Class B conducted	EN55022 Class B conducted, Class A radiated

ECM100 SERIES — OUTPUT POWER: 100W WITH 5 CFM AIR, DIMENSIONS: 1.2"H x 2.5"W x 4.5"D

Mfg. Part No.	Output 1		Output 2		Output 3		Output 4		Stock No.	Price Each 1-4
	(V)	(A)	(V)	(A)	(V)	(A)	(V)	(A)		
● ECM100US03*	3.3	20	...	...	...	...	...	...	85K4810	79.00
● ECM100US05*	5	20	...	...	...	...	...	...	85K4812	79.00
● ECM100US09*	9	11.1	...	...	...	...	...	...	04R8441	79.00
● ECM100US12*	12	8.3	...	...	...	...	...	...	85K4814	79.00
● ECM100US15*	15	6.6	...	...	...	...	...	...	67K7667	79.00
● ECM100US24*	24	4.1	...	...	...	...	...	...	85K4816	79.00
● ECM100US48*	48	2.1	...	...	...	...	...	...	85K4818	79.00
● ECM100UT31†	5	10	12	3	-12	0.8	...	...	85K4820	111.00
● ECM100UT33†	5	10	15	3	-15	0.8	...	...	85K4822	111.00
● ECM100UT34†	3.3	10	5	5	12	0.8	...	...	85K4824	111.00
● ECM100UQ41†	5	10	3.3	5	12	0.8	-12	0.5	04R8439	114.00
● ECM100UQ42†	3.3	10	5	5	12	0.8	-12.0	0.5	85K4804	114.00
● ECM100UQ43†	5	10	24	2	12	0.8	-12.0	0.5	85K4806	114.00
● ECM100UQ44†	5	10	24	2	15	0.8	-15	0.5	04R8440	114.00
● ECM100UQ45†	5	10	12	3	-12	0.8	-5.0	0.5	85K4808	114.00

ECM140 SERIES — OUTPUT POWER: 120/148W (CONVENTION/FORCED-COOLED WITH 10 CFM AIR), DIMENSIONS: 1.3"H x 3"W x 5"D

Mfg. Part No.	Single Output		Stock No.	Price Each 1-4
	Voltage (VDC)	Current (A)		
● ECM140US12	12	10	04R8443	99.00
● ECM140US15	15	8	04R8444	99.00
● ECM140US18	18	6.6	04R8445	99.00
● ECM140US24	24	5	04R8446	99.00
● ECM140US48	48	2.5	04R8447	99.00

ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each 1-4
● ECM100 COVER	Cover for ECM100 Series Power Supplies	32M6303	18.00
● ECM140 COVER KIT	Cover for ECM140 Series Power Supplies	04R8442	20.00

For convection cooled application, go online or call for derated

*Max current rating for single output units

†Max output power for multiple output units

(88548)

SWITCHING POWER SUPPLIES

JPS SERIES ULTRA COMPACT
DESIGN 130/250/350 WATT
SINGLE AND MULTI-OUTPUT
POWER SUPPLIES

JPS130



JPS250

- Medical approvals for 130W models
- High power density
- High efficiency to 90%

- Suitable for 1U applications
- Active power factor correction
- Zero voltage switching

SPECIFICATIONS:

Input Voltage:	90-264VAC (170-370VDC)
Input Frequency:	47-63Hz
Line Regulation:	±0.5%
Load Regulation:	±1% for V1 and V2, ±5% V3 and V4
Ripple & Noise:	+/- 1% max. pk-pk (20MHz BW)
Operating Temperature:	0°C to +70°C with derating. Full power to +50°C
EMC:	EN55022 and FCC Class B conducted

OUTPUT POWER: 130W WITH 18CFM, 100W WITH CONVECTION COOLING; OPEN FRAME, DIMENSIONS: 1.28 x 3.00 x 5.00" (H x W x D)

Mfg. Part No.	Output 1 (V) (A)	Output 2 (V) (A)	Output 3 (V) (A)	Output 4 (V) (A)	Stock No.	Price Each
● JPS130PS03	3.3 30	...	...	...	72K8672	105.00
● JPS130PS05	5 26	...	...	...	72K8673	105.00
● JPS130PS12	12 10.8	...	...	...	72K8674	105.00
● JPS130PS15	15 8.7	...	...	...	72K8675	105.00
● JPS130PS24	24 5.4	...	...	...	72K8676	105.00
● JPS130PS48	48 2.7	...	...	...	72K8677	105.00
● JPS130PT30	3.3 15	5 15	12 12	0.5 ...	72K8678	120.00
● JPS130PT31	5 15	12 5	-12 0.5	...	72K8679	120.00

OUTPUT POWER: 130W WITH 18CFM, 100W WITH CONVECTION COOLING; DIMENSIONS: 1.28 x 3.00 x 5.00" (H x W x D), MEDICAL APPROVALS

● JPS130PS05-M	5 26	...	...	...	...	51M8826	123.00
● JPS130PS12-M	12 10.8	...	...	...	...	51M8827	123.00
● JPS130PS15-M	15 8.7	...	...	...	...	71J0100	123.00
● JPS130PS24-M	24 5.4	...	...	...	...	51M8828	123.00
● JPS130PS28-M	28 4.6	...	...	...	...	51M8829	123.00
● JPS130PS48-M	48 2.7	...	...	...	...	51M8830	123.00
● JPS130PT31-M	5 15	12 4.1	-12 1.1	...	...	51M8831	132.00
● JPS130PT32-M	5 15	15 4.1	-15 1.1	...	...	71J0105	132.00

OUTPUT POWER: 250W WITH 18CFM, 200W WITH CONVECTION COOLING; U-CHANNEL, CHASSIS MOUNT, DIMENSIONS: 1.50 x 4.20 x 8.00" (H x W x D)

● JPS250PS05	5 45	...	...	...	...	72K8684	230.00
● JPS250PS12	12 21	...	...	...	...	71J0141	230.00
● JPS250PS15	15 17	...	...	...	...	71J0142	230.00
● JPS250PS24	24 10.4	...	...	...	...	72K8685	230.00
● JPS250PS48	48 5.2	...	...	...	...	72K8686	230.00
● JPS250PQ41	5 30	12 8	-12 3	-5.0 2.0	...	72K8680	259.00
● JPS250PQ46	3.3 20	5 20	12 6	-12.0 2.0	...	72K8681	259.00
● JPS250PQ47	5 25	12 6	24 3	-12.0 2.0	...	72K8682	259.00
● JPS250PQ48	5 25	15 5	24 3	-15.0 2.0	...	72K8683	259.00

OUTPUT POWER: 350W WITH 18CFM, 300W WITH CONVECTION COOLING; U-CHANNEL, CHASSIS MOUNT, DIMENSIONS: 1.60 x 5.00 x 9.00" (H x W x D)

● JPS350PS05	5 63	...	...	...	...	73K2435	299.00
● JPS350PS12	12 30	...	...	...	...	72K8687	299.00
● JPS350PS15	15 24	...	...	...	...	72K8688	299.00
● JPS350PS24	24 15	...	...	...	...	72K8689	299.00
● JPS350PS48	48 7.3	...	...	...	...	72K8690	299.00

ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each
● JPS130 COVER	Cover for JPS130	32M6418	28.00
● JPS130-M COVER	Cover for JPS130-M	32M6419	28.00
● JPS250F/CVR	Fan cover for JPS250 12, 15, 48V, PQ41, PQ46, PQ47 models	32M6420	43.00
● JPS250F/CVR5	Fan cover for JPS250 5V models	32M6422	43.00
● JPS250F/CVR24	Fan cover for JPS250 24V and PQ48 models	32M6421	43.00
● JPS350F/CVR5V	Fan cover for JPS350 5V models	32M6424	43.00
● JPS350F/CVR	Fan cover for JPS350 12, 15, 24, 48V models	32M6423	43.00

(63624)

SDS150 SERIES AC/DC 150 WATT
SINGLE OUTPUT POWER SUPPLIES

- Small footprint
- Fits 1U applications
- Convection-cooled
- Overvoltage and overcurrent protection
- International safety standards

SPECIFICATIONS:

Input Voltage Range:	90-264 VAC
Input Frequency:	47-63Hz
Line Regulation:	1% maximum, 0.5% typical
Load Regulation:	5% maximum, 3.0% typical
Ripple & Noise:	1% pk-pk max
EMC:	EN55022, FCC, level B conducted
Operating Temperature:	0°C to +70°C, derate linearly from 100% load at 50°C to 50% load at 70°C
Dimensions:	3.21W x 5.00L x 1.62"H

OUTPUT POWER: 150W

Mfg. Part No.	Output Power (W)	Output Voltage (V)	Output Current (A)	Stock No.	Price Each
● SDS150PS09B	144	9	16	32M6425	150.00
● SDS150PS12B	150	12	12.5	32M6426	150.00
● SDS150PS15B	150	15	10	32M6427	150.00
● SDS150PS18B	150	18	8.33	32M6428	150.00
● SDS150PS24B	150	24	6.25	32M6429	150.00
● SDS150PS48B	150	48	3.13	32M6430	150.00

(90452)

CLC175 SERIES OPEN FRAME,
175W SINGLE OUTPUT
SWITCHING POWER SUPPLIES

Just Added



- High-efficiency resonant topology
- High-power density 9 W/in³
- 12V/ 500mA fan output
- Remote sense
- Industry-standard 1U format



SPECIFICATIONS:

Input Voltage:	85-264VAC (120-370VDC) derate output power <90VAC
Input Frequency:	47-63Hz
Input Current:	3A typical @ 115VAC, full load; 1.5A typical @ 230VAC full load
Line Regulation:	±0.5% max.
Load Regulation:	±1% max. V1, ±5% for fan output
Ripple & Noise:	1% pk-pk V1, others 2%, 20MHz bandwidth
Operating Temperature:	-10° to +70°C derate from 100% @ +50°C to 50% load @ +70°C
EMC:	EN55022, Level B conducted and Level A radiated
Dimensions:	1.3"H x 3"W x 5"D

Designed for communications applications, CLC175 series power supplies meet the needs of networking equipment, voice over IP systems, wireless LANs, servers, storage area networks and post-production broadcast equipment. These units deliver up to 175W across the full universal AC input range and achieve 9W per cubic inch power density without compromising performance or functionality. With efficiencies up to 90% at full load, these units require only 10 CFM air-flow for full power operation at up to 50°C ambient and will operate at up to 70°C ambient with 50% derating.

Mfg. Part No.	Output Power (W)	Output Voltage (VDC)	Output Current (A)	Efficiency (%)	Stock No.	Price Each
● CLC175US12	175	12	13.9	87	04R8364	120.00
● CLC175US24	175	24	6.9	87	04R8365	120.00
● CLC175US48	175	48	3.5	87	04R8366	120.00

(148736)

EMA212 SERIES 200
WATT SINGLE OUTPUT
POWER SUPPLY

- High power density
- Up to 90% efficiency
- 5V standby and 12V fan outputs
- Active current share
- Remote On/Off
- Power good signal

SPECIFICATIONS:

Input Voltage:	90-264VAC
Input Frequency:	47-63VAC
Line Regulation:	±0.5%
Load Regulation:	±1%
Ripple & Noise:	1%

➔ CONTINUED ➔

SWITCHING POWER SUPPLIES

EMA212 SERIES 200 WATT SINGLE OUTPUT POWER SUPPLY (CONT.)

SPECIFICATIONS:	
Efficiency:	88% typical
Operating Temperature:	-10°C to +70°C, derate linearly from 100% load at +50°C to 50% load at +70°C
Cooling:	12 CFM airflow required
EMC:	EN55022 Class B conducted, Class A radiated

OUTPUT POWER 200W, DIMENSIONS: 1.34 x 3.00 x 5.00" (H x W x D)

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Stock No.	Price Each
				1-4
● EMA212PS12	12	16.7	85K4826	149.00
● EMA212PS24	24	8.3	32M6305	149.00
● EMA212PS48	48	4	85K4828	149.00

(88607)

SDR SERIES AC/DC 250 WATT SINGLE OUTPUT POWER SUPPLIES

Just Added



- 3.2" x 5" footprint
- Fits 1U applications
- Up to 600W peak power
- Convection-cooled and top fan version
- Output voltages from 5V to 48V



SPECIFICATIONS:	
Input Voltage Range:	90 - 132VAC/180 - 264VDC, auto ranging
Input Frequency:	47 - 63Hz
Line Regulation:	±0.5%
Load Regulation:	±1% 1-100% load
Cooling:	Versions without fan cover require 16 CFM to meet forced air ratings
Ripple & Noise:	1% pk-pk*
EMC:	FCC Part 15 and EN55022 Level B conducted
Operating Temperature:	0°C to +70°C, derate @ 2.5%/°C from +50°C to +70%
Safety Approvals:	UL6950-1, CSA C22.2 No. 950, EN 60950-1: 2001, CE mark LVD

DIMENSIONS: 3.20W x 5.00L x 1.5"H

Mfg. Part No.	Output Power (W)	Output Voltage (V)	Output Current (Convection) (A)	Output Current (Forced Air) (A)	Peak Current (A)	Efficiency (%)	Stock No.	Price Each
								1-4
● SDR250AS05	100	5	20	40	120	70	96M0820	180.00
● SDR250AS12	135	12	11.23	20.83	50	80	96M0821	180.00
● SDR250AS15	135	15	9	16.70	40	83	96M0822	180.00
● SDR250AS24	135	24	5.63	10.42	25	83	96M0823	180.00
● SDR250AS48	135	48	2.81	5.21	12.3	83	96M0824	180.00

ACCESSORY

● SDR FAN COVER	SDR Fan Cover Kit	96M0819	30.00
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* Ripple and noise is measured using 0.1 µF ceramic capacitor in parallel with 22 µF electrolytic and 20 MHz bandwidth.
(116066)

LP-MD SERIES LOW-PROFILE, SINGLE OUTPUT 250W AND 450W MEDICAL-APPROVED POWER SUPPLIES



Single output U-Frame



Single output enclosed with fan

- UL60601 and EN60601 approvals
- Adjustable outputs
- Power fail and DC OK signals
- 5V standby and 12V fan auxiliary outputs
- Active power factor correction
- Other models available, go online or call

SPECIFICATIONS:

Input Voltage:	90-264VAC
Input Frequency:	47-63Hz
Line Regulation:	±0.3%
Load Regulation:	1%
Ripple & Noise:	50mV or 1% pk-pk whichever is greater
Efficiency:	75% typical
Operating Temperature:	0° to +70°C, derates from 50°C
EMC:	EN55011 Class B (enclosed) or Class A (U-frame) conducted

➤ CONTINUED ➤

LP-MD SERIES LOW-PROFILE, SINGLE OUTPUT 250W AND 450W MEDICAL-APPROVED POWER SUPPLIES (CONT.)

OUTPUT POWER: 250W, DIMENSIONS: 1.50 x 5.00 x 8.00" (H x W x D)
U-FRAME, CHASSIS MOUNT

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Stock No.	Price Each
				1-4
● M3S4	12	20	72K8955	264.00
● M3S5	15	17	72K8956	264.00
● M3S6	24	10	72K8957	264.00
● M3S9	48	5	72K8958	264.00

OUTPUT POWER: 450W, DIMENSIONS: 1.68 x 5.00 x 11.75" (H x W x D)
ENCLOSED WITH FAN

● M5S4S4FE5-01	12	37.5	72K8959	538.00
● M5S5S5FE5-01	15	30	72K8960	538.00
● M5S6S6FE5-02	24	18.7	72K8961	518.00
● M5S9S9FE5-02	48	9.3	72K8962	518.00

(83628)

SMQ SERIES ULTRA-COMPACT, 300W AND 400W SINGLE OUTPUT POWER SUPPLIES

Just Added



- High power density
- High peak load rating
- Active power factor correction
- Fully enclosed with internal fan
- Remote sense
- Remote On/Off and DC OK
- Dimensions: 2"H x 4"W x 8"D
- 3 year warranty



SPECIFICATIONS:	
Input Voltage:	90 - 264VAC
Input Frequency:	47 - 63Hz
Line Regulation:	±1%
Load Regulation:	±1%
Ripple & Noise:	1% pk-pk (20MHz BW)
Efficiency:	80% typical
Operating Temperature:	0° to +70°C, derates from 100% at +50°C to 50% at +70°C
EMC:	EN55022, FCC Class B conducted

OUTPUT POWER: 300W

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Peak Current (A)	Stock No.	Price Each
					1-4
● SMQ300PS12-C	12	25	58.33	72K9413	304.00
● SMQ300PS15-C	15	20	46.66	72K9414	304.00
● SMQ300PS24-C	24	12.5	29.16	72K9415	304.00
● SMQ300PS48-C	48	6.25	14.58	72K9416	304.00

OUTPUT POWER: 400W

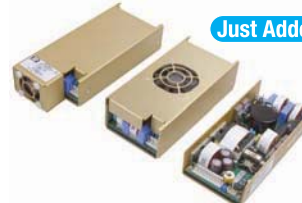
● SMQ400PS12-C	12	33.33	58.33	72K9417	340.00
● SMQ400PS15-C	15	26.66	46.66	72K9418	340.00
● SMQ400PS24-C	24	16.66	29.16	71J0199	340.00
● SMQ400PS27-C	27	14.81	25.92	04R9640	340.00
● SMQ400PS36-C	36	11.11	19.44	04R9641	340.00
● SMQ400PS48-C	48	8.33	14.58	72K9419	340.00

(83627)

MFA350 SERIES 350W SINGLE OUTPUT POWER SUPPLIES



- High power density
- U-channel and covered top fan or end fan formats
- Up to 89% efficiency
- 5V standby and 12V fan outputs
- Remote On/Off
- Power good signal
- Hot swap format available
- 3 year warranty



End Fan, Top Fan, U-Channel

SPECIFICATIONS:	
Input Voltage:	85-264VAC
Input Frequency:	47-63VAC
Line Regulation:	± 0.5%
Load Regulation:	+/- 1%
Ripple & Noise:	1% pk-pk (20 MHz BW)
Efficiency:	86% typical
Operating Temperature:	-10°C to +70°C, derate linearly from +50°C to 50% load at +70°C
Cooling:	13 CFM airflow required for non fan covered versions
EMC:	EN55022 Class B conducted, Class A radiated

➤ CONTINUED ➤

SWITCHING POWER SUPPLIES

MFA350 SERIES 350W SINGLE OUTPUT POWER SUPPLIES (CONT.)

U-CHANNEL — OUTPUT POWER 350W, DIMENSIONS: 1.50H x 3.20W x 6.80"D

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Stock No.	Price Each
● MFA350PS12	12	29	85K4830	268.00
● MFA350PS24	24	14.5	85K4832	268.00
● MFA350PS48	48	7.3	85K4834	268.00

COVERED, TOP FAN — OUTPUT POWER 350W, DIMENSIONS: 2.00H x 3.326W x 6.80"D

● MFA350PS12-STF	12	29	04R9396	290.00
● MFA350PS24-STF	24	14.5	04R9398	290.00
● MFA350PS48-STF	48	7.3	04R9400	290.00

COVERED, END FAN — OUTPUT POWER 350W, DIMENSIONS: 1.75H x 3.326W x 8.28"D

● MFA350PS12-SEF	12	29	04R9395	290.00
● MFA350PS24-SEF	24	14.5	04R9397	290.00
● MFA350PS48-SEF	48	7.3	04R9399	290.00

(88614)

SMC SERIES ULTRA-COMPACT, 500W AND 600W SINGLE OUTPUT POWER SUPPLIES

- High power density
- High peak load rating
- Active power factor correction
- Fully enclosed with internal fan
- Current share on 600W models
- Remote On/Off and Power Good
- Dimensions: 2.50"H x 4.25"W x 9.17" D



Just Added



SPECIFICATIONS:

Input Voltage:	90-264VAC
Input Frequency:	47-63Hz
Line Regulation:	+/- 0.5% from low line to high line
Load Regulation:	+/- 1%
Ripple & Noise:	1% or 100mV for ≤5V
Efficiency:	80% min at 230VAC, 70% min for Vo ≤5V
Operating Temperature:	0° to +70°C, derate linearly from 100% load at +50°C to 50% load at +70°C
EMC:	EN55022, FCC Part 15 & CISPR22 Class B conducted

Mfg. Part No.	Output Power (W)	Output Voltage (V)	Output Current (A)	Peak Current (A)	Stock No.	Price Each
● SMC500PS03-C	264	3.3	80	120	04R9627	400.00
● SMC500PS05-C	400	5	80	120	72K9403	440.00
● SMC500PS12-C	500	12	41.7	75	72K9404	440.00
● SMC500PS15-C	500	15	31	56	72K9405	440.00
● SMC500PS24-C	500	24	20.8	37.5	72K9406	440.00
● SMC500PS27-C	500	27	18.5	33.33	04R9628	400.00
● SMC500PS48-C	500	48	10.4	18.8	72K9407	440.00
● SMC600PS05-CI	450	5	90	135	72K9408	500.00
● SMC600PS12-CI	600	12	50	75	72K9409	500.00
● SMC600PS15-CI	600	15	40	56	72K9410	500.00
● SMC600PS24-CI	600	24	25	37.5	72K9411	500.00
● SMC600PS48-CI	600	48	12.5	18.8	72K9412	500.00

(83678)

MSM07 SERIES 7 WATT MEDICAL GRADE SINGLE OUTPUT POWER SUPPLIES

- Wide range AC input
- Fully regulated output
- High efficiency
- Medical grade approval UL60601-1, CSA 22.2 No. 60601.1-M90, IEC60601-1
- Meets FCC Class B, CISPR II Class B, EMC per EN60601-1-2, CE marked to LVD
- 5 year warranty

MSM07 series open frame medical grade power supplies include over voltage, over current and short circuit protection. Wt.: 0.1 lbs.



-IE Elpac Power Systems.



SPECIFICATIONS:

Input Voltage:	100-240VAC
Input Frequency:	50-60Hz
Line Regulation:	TYP ±0.5%
Load Regulation:	TYP ±2%
Hold Up Time:	15ms min. @ full load, 115VAC
Ripple/Noise (Vp-p):	1% (20 MHz bandwidth)

➔ CONTINUED ➔

MSM07 SERIES 7 WATT MEDICAL GRADE SINGLE OUTPUT POWER SUPPLIES (CONT.)

SPECIFICATIONS:	
Efficiency:	80% min @ full load and 115 VAC
Operating Temperature:	0°C to 50°C

DIMENSIONS: 2.28L x 2W x 0.713"H

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Power (W)	Stock No.	Price Each
MSM0705	5.1	1.4	7	62K5498	31.11
MSM0712	12	0.6	7	62K5499	31.11
MSM0715	15	0.5	7	62K5500	31.11
MSM0724	24	0.3	7	62K5501	31.11
MSM0728	28	0.3	7	62K5502	31.11

(95246)

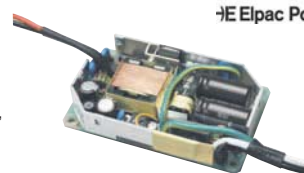
MSM20 SERIES 20 WATT MEDICAL GRADE SINGLE OUTPUT POWER SUPPLIES

- Wide range AC input (100-240VAC)
- Fully regulated output
- High efficiency
- Medical grade approval UL60601-1, CSA 22.2 No. 60601.1-M90, IEC60601-1
- Meets FCC Class B, CISPR II Class B, EMC per EN60601-1-2, CE marked to LVD
- 5 year warranty

MSM20 series open frame medical grade power supplies include over voltage, over current and short circuit protection. Wt.: 0.30 lbs.



-IE Elpac Power Systems.



SPECIFICATIONS:

Input Voltage:	100-240VAC
Input Frequency:	50-60Hz
Line Regulation:	TYP ±0.5%
Load Regulation:	TYP ±2%
Hold Up Time:	15ms min. @ full load, 115VAC
Ripple/Noise (Vp-p):	1% (20 MHz bandwidth)
Efficiency:	80% min @ full load and 115 VAC
Operating Temperature:	0°C to 50°C

DIMENSIONS: 3.543L x 2.165W x 0.71"H

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Power (W)	Stock No.	Price Each
MSM2012	12	1.67	20	35K8835	45.28
MSM2015	15	1.34	20	35K8836	45.28
MSM2024	24	0.84	20	35K8837	45.28

(95247)

MSM28 SERIES 28 WATT MEDICAL GRADE SINGLE OUTPUT POWER SUPPLIES

- Wide range AC input (100-240VAC)
- Fully regulated output
- High efficiency
- Medical grade approval
- Meets FCC Class B, CISPR II Class B, EMC per EN60601-1-2, UL2601-1, EN60601-1-2:2001, CE marked
- 5 year warranty

MSM28 series open frame medical grade power supplies include over voltage, over current and short circuit protection. Wt.: 0.30 lbs.



-IE Elpac Power Systems.



SPECIFICATIONS:

Input Voltage:	100-240VAC
Input Frequency:	50-60Hz
Line Regulation:	TYP ±0.5%
Load Regulation:	TYP ±2%
Hold Up Time:	15ms min. @ full load, 115VAC
Ripple/Noise (Vp-p):	1% (20 MHz bandwidth)
Efficiency:	80% min @ full load and 115 VAC
Operating Temperature:	0°C to 50°C

DIMENSIONS: 4L x 2.6W x 1.3"H

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Power (W)	Stock No.	Price Each
MSM2812	12	2.3	28	68H9447	50.08
MSM2815	15	1.9	28	68H9448	50.08
MSM2824	24	1.2	28	68H9450	50.08

(95248)

SWITCHING POWER SUPPLIES

MS40F SERIES 40 WATT
MEDICAL GRADE AC
ADAPTERS

IE Elpac Power Systems.

- Wide range AC input (85-264VAC)
- Fully regulated output
- High efficiency
- Medical grade approval
- Meets FCC Class B, CISPR II Class B, EMC per EN60601-1-2, CSA C22.2 No. 60601.1-M90, UL 60601-1, CB per IEC 60601-1, CE marked to LVD
- 5 year warranty



MS40F series open frame medical grade power supplies include over voltage, over current and short circuit protection. Operating temperature: 0°C to 50°C. Frequency: 47-63Hz. Total regulation: < +/-5%. Set point accuracy: < +/-3% of rated output. Hold up time: > 16ms min at full load, 115 VAC. Ripple/noise (Vpp): < 1% (20MHz bandwidth). Wt.: 0.40 lbs.

DIMENSIONS: 5L x 3W x 1.083"H

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Power (W)	Efficiency %	Stock No.	Price Each
						1-4
● MS4009F	9	4.4	40	84	43M6282	63.57
● MS4012F	12	3.3	40	86	43M6283	63.57
● MS4015F	15	2.7	40	86	43M6284	63.57
● MS4018F	18	2.2	40	86	43M6285	63.57
● MS4024F	24	1.67	40	88	43M6286	63.57

(94568)

MTA40 SERIES 40 WATT
MEDICAL GRADE OPEN
FRAME POWER SUPPLIES

IE Elpac Power Systems.



- Wide range AC input
- Fully regulated output
- High efficiency
- Meets FCC Class B, CISPR II Class B
- EMC per EN61000-3-2, -3
- IEC 60606-1
- Class I
- 5 year warranty



MTA40 series medical grade open frame power supplies include over voltage, over current and short circuit protection. Input mating connector: AMP mfg part no. 640250-3 or equivalent. Output connector: AMP mfg part no. 640250-8 or equivalent. Wt.: 0.30 lbs.

SPECIFICATIONS:

Input Voltage:	85-264VAC
Total Regulation:	<±5%
Set Point Accuracy:	<±3% @ 60% load
Hold Up Time:	20ms typ @ full load, 115VAC
Ripple/Noise (Vp-p):	<1% (20 MHz bandwidth)
Operating Temperature:	0°C to 50°C

DIMENSIONS: 4L x 2W x 1.1"H

Mfg. Part No.	DC Output Voltage (V)	Output Current (A)	Power (W)	Efficiency %	Stock No.	Price Each
						1-4
● MTA040009A	9	4.4	40	85	77M9080	50.38
● MTA040012A	12	3.3	40	85	77M9081	50.38
● MTA040015A	15	2.7	40	85	77M9082	50.38
● MTA040024A	24	1.67	40	85	77M9083	50.38

(106431)

MSM40-A/B/D SERIES 40 WATT
MEDICAL GRADE TRIPLE
OUTPUT POWER SUPPLIES

IE Elpac Power Systems.

- Wide range AC input
- Multiple regulated outputs
- High efficiency
- Medical grade approval
- Meets EN55022 Class B; FCC Class B, EN55011 Class B; FCC Class B, Static Discharge EN61000-4-2, 6 kV contact, 8 kV air, RF Field Susceptibility EN61000-4-3, 3 V/meter, Fast Transients/Bursts EN61000-4-4, 2 kV, 5 kHz, Surge Susceptibility EN61000-4-5, 1 kV diff., 2 kV com
- UL60601-1, CSA 22.2 No. 60601.1-M90, IEC60601-1
- CE marked to LVD
- 5 year warranty



MSM40-A/B/D series open frame medical grade power supplies include over voltage, over current and short circuit protection. Wt.: 0.55 lbs.

SPECIFICATIONS:

Input Voltage:	85-264VAC
Input Frequency:	47-63Hz
Total Regulation:	V1=2%, V2=5%, V3=3%
Hold Up Time:	20ms min. @ full load, 115VAC
Ripple/Noise (Vp-p):	0.5% rms, ±1% pk-pk (20 MHz bandwidth)

▶ CONTINUED ▶

MSM40-A/B/D SERIES 40 WATT MEDICAL GRADE TRIPLE OUTPUT POWER SUPPLIES (CONT.)

SPECIFICATIONS:

Efficiency:	70% min @ full load and 115 VAC
Operating Temperature:	0°C to 50°C

DIMENSIONS: 5L x 3W x 1.38"H

Mfg. Part No.	Output Voltage 1 (V)	Current 1 (A)	Output Voltage 2 (V)	Current 2 (A)	Output Voltage 3 (V)	Current 3 (A)	Stock No.	Price Each
								1-4
MSM40A	5.1	4	12	2	-12	0.4	35K8838	73.55
MSM40B	5.1	4	15	2	-15	0.4	35K8839	73.55
MSM40D	5.1	4	24	1	-12	0.4	35K8840	73.55

(95249)

MSM60 SERIES 60 WATT
MEDICAL GRADE SINGLE
OUTPUT POWER SUPPLIES

IE Elpac Power Systems.

- Wide range AC input
- Fully regulated output
- High efficiency
- Medical grade approval
- UL60601-1, CSA 22.2 No. 60601.1-M90, IEC60601-1
- Meets FCC Class B, CISPR II Class B, EMC per EN60601-1-2, CE marked to LVD
- 5 year warranty



MSM60 series open frame medical grade power supplies include over voltage, over current and short circuit protection. Wt.: 0.50 lbs.

SPECIFICATIONS:

Input Voltage:	100-240VAC
Input Frequency:	50-60Hz
Line Regulation:	TYP ±0.5%
Load Regulation:	TYP ±2%
Hold Up Time:	15ms min. @ full load, 115VAC
Ripple/Noise (Vp-p):	1% (20 MHz bandwidth)
Efficiency:	80% min @ full load and 115 VAC
Operating Temperature:	0°C to 50°C

DIMENSIONS: 5L x 3W x 1.3"H

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Power (W)	Stock No.	Price Each
					1-4
MSM6012	12	5.0	60	95H1667	63.16
MSM6024	24	2.5	60	95H1668	63.16

(95250)

MS65F SERIES 65 WATT
MEDICAL GRADE AC
ADAPTERS

IE Elpac Power Systems.

- Wide range AC input (85-264VAC)
- Fully regulated output
- High efficiency
- Medical grade approval
- Meets FCC Class B, CISPR II Class B, EMC per EN60601-1-2, CSA C22.2 No. 60601.1-M90, UL 60601-1, CB per IEC 60601-1, CE marked to LVD
- 5 year warranty



MS65F series open frame medical grade power supplies include over voltage, over current and short circuit protection. Operating temperature: 0°C to 50°C. Frequency: 50-60Hz. Total regulation: < +/-5%. Set point accuracy: < +/-3% at 60% load. Hold up time: > 12ms min at full load, 115 VAC. Ripple/noise (Vpp): < 1% (20MHz bandwidth). Wt.: 0.45 lbs.

DIMENSIONS: 5L x 2.99W x 1.15"H

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Power (W)	Efficiency %	Stock No.	Price Each
						1-4
● MS6509F	9	6.3	65	83	43M6287	70.39
● MS6512F	12	5.4	65	85	43M6288	70.39
● MS6515F	12	4.3	65	86	43M6289	70.39
● MS6524F	12	2.7	65	87	43M6290	70.39

(94567)

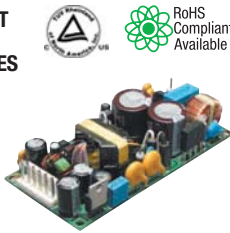
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(148886)

SWITCHING POWER SUPPLIES

MTA65 SERIES 65 WATT
MEDICAL GRADE OPEN
FRAME POWER SUPPLIES

- Wide range AC input
- Fully regulated output
- High efficiency
- Meets FCC Class B, CISPR 11 Class B
- EMC per EN61000-3-2,-3
- IEC 60606-1
- Class I
- 5 year warranty



Elpac Power Systems.



MTA65 series medical grade open frame power supplies include over voltage, over current and short circuit protection. Input mating connector: AMP mfg part no. 640250-3 or equivalent. Output connector: AMP mfg part no. 640250-6 or equivalent. Wt: 0.45 lbs.

SPECIFICATIONS:

Input Voltage:	85-264VAC
Total Regulation:	<±5%
Set Point Accuracy:	<±3% @ 60% load
Hold Up Time:	20ms typ @ full load, 115VAC
Ripple/Noise (Vp-p):	<1% (20 MHz bandwidth)
Operating Temperature:	0°C to 50°C

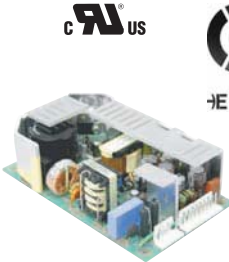
DIMENSIONS: 4L x 2W x 1.1"H

Mfg. Part No.	DC Output Voltage (V)	Output Current (A)*	Power (W)	Efficiency %	Stock No.	Price Each
MTA065009A	9	5.6	65	83	77M9084	75.56
MTA065012A	12	4.2	65	85	77M9085	75.56
MTA065015A	15	3.3	65	86	77M9086	75.56
MTA065024A	24	2.1	65	87	77M9087	75.56

* Unrestricted convection (106432)

MSM75 SERIES 75 WATT
MEDICAL GRADE SINGLE
OUTPUT POWER SUPPLIES

- Wide range AC input
- Fully regulated output
- High efficiency
- Medical grade approval UL60601-1, CSA 22.2 No. 60601.1-M90, IEC60601-1
- Dimensions meet 1U applications
- Meets FCC Class B, CISPR II Class B, EMC per EN60601-1-2, complies with EN61000-3-2 Class A, CE marked to LVD
- 5 year warranty



Elpac Power Systems.

MSM75 series open frame medical grade power supplies include over voltage, over current and short circuit protection. Wt.: 0.50 lbs.

SPECIFICATIONS:

Input Voltage:	90-264VAC
Input Frequency:	47-63Hz
Line Regulation:	TYP ±1%
Load Regulation:	TYP ±3%
Hold Up Time:	15ms min. @ full load, 115VAC
Ripple/Noise (Vp-p):	1% (20 MHz bandwidth)
Efficiency:	80% min @ full load and 115 VAC
Operating Temperature:	0°C to 50°C

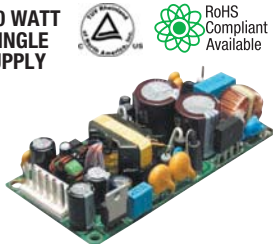
DIMENSIONS: 5.75L x 3.4W x 1.663"H

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Power (W)	Stock No.	Price Each
MSM7512	12	6.3	75	62K5503	67.90
MSM7515	15	5	75	62K5504	67.90
MSM7524	24	3.1	75	62K5505	67.90
MSM7528	28	2.7	75	62K5506	67.90

(95251)

MSM80F SERIES 80 WATT
MEDICAL GRADE SINGLE
OUTPUT POWER SUPPLY

- 80 watts continuous power w/ forced air
- 60 watts w/ unrestricted natural convection
- Wide range AC input
- Fully regulated output
- High efficiency
- Medical grade approval
- Dimensions meet 1U applications
- Meets FCC Class B, CISPR 11 Class B, EMC per EN60601-1-2, CSA C22.2 No. 60601.1-M90, UL 60601.1, CB per IEC 60601-1, CE marked to LVD
- 5 year warranty



Elpac Power Systems.

MSM80F SERIES 80 WATT MEDICAL GRADE SINGLE OUTPUT POWER
SUPPLY (CONT.)

MSM80F series open frame medical grade power supplies include over voltage, over current and short circuit protection. Wt: 0.30 lbs.

SPECIFICATIONS:

Input Voltage:	85-265VAC
Input Frequency:	47-63Hz
Total Regulation:	TYP ±3%
Hold Up Time:	>20ms min. @ full load, 115VAC
Ripple/Noise (Vp-p):	<1% (20 MHz bandwidth)
Efficiency:	74% min @ full load and 115 VAC
Operating Temperature:	0°C to 50°C

DIMENSIONS: 4L x 2W x 1.1"H

Mfg. Part No.	Output Voltage (V)	Output Current A* (A)	Output Current B† (A)	Power (W)	Efficiency % @ 115VAC (Typical)	Stock No.	Price Each
MSM8009F	9	6.6	8.8	80	88	43M6278	99.54
MSM8012F	12	5	6.6	80	89	43M6279	99.54
MSM8015F	15	4	5.3	80	89	43M6280	99.54
MSM8024F	24	2.5	3.4	80	90	43M6281	99.54

*Current A = Max. continuous current with unrestricted convection

†Current B = Max. continuous current with ISO LFM air (105372)

MVA100 SERIES 100 WATT
MEDICAL GRADE OPEN
FRAME POWER SUPPLIES

- Wide range AC input
- Fully regulated output
- High efficiency
- UL60601-1, CSA C22.2 No. 601.1-M90, IEC60601-1, CISPR11 and FCC Part15 Class B, EN61000-3-2,-3, EN61000-4-2,-3,-4,-5,-6,-8,-11, CE marked to LVD
- Class I
- 5 year warranty



Elpac Power Systems.



MVA100 series medical grade open frame power supplies include over voltage, over current and short circuit protection. Input mating connector: AMP mfg part no. 640250-3 or equivalent. Output mating connector: AMP mfg part no. 640250-6 or equivalent. Wt: 1.5 lbs.

SPECIFICATIONS:

Input Voltage:	85-264VAC
Total Regulation:	<±5%
Set Point Accuracy:	<±3% @ 60% load
Hold Up Time:	20ms typ @ full load, 115VAC
Ripple/Noise (Vp-p):	<1% (20 MHz bandwidth)
Operating Temperature:	0°C to 40°C

DIMENSIONS: 4.5L x 2.5W x 1.1"H

Mfg. Part No.	DC Output Voltage (V)	Output Current (A)	Power (W)	Efficiency %	Stock No.	Price Each
MVA100012A	12	8.3	100	90	77M9088	96.17
MVA100015A	15	6.7	100	90	77M9089	96.17
MVA100018A	18	5.6	100	91	77M9090	96.17
MVA100024A	24	4.2	100	91	77M9091	96.17

(106434)

MSA150 SERIES 150 WATT
MEDICAL-GRADE SINGLE
OUTPUT POWER SUPPLIES

- High efficiency
- Up to 180W with forced air
- High power density 9.8W/in³
- Hold-up time >25ms at full load
- 5-year manufacturer's limited warranty
- Medical grade approval — EN60601-1 Class I
- Energy Star Level V
- EISA (Energy Independent Security Act) compliant, CEC compliant
- CE compliant, TUV approved



NEW TECHNOLOGY

Elpac Power Systems.



MVA150 series 150 watt medical-grade switch mode power supplies include over voltage, over current, over temperature, and short circuit protection. Input mating connector: mfg. part no. 640250-3 or equivalent. Output mating connector: mfg. part no. 640250-8 or equivalent. Weight: 0.75 lbs.

SPECIFICATIONS:

Input Voltage:	85-264 VAC
Total Regulation:	±5%
Hold Up Time:	>25ms @ any input voltage

► CONTINUED ►

SWITCHING POWER SUPPLIES

MSA150 SERIES 150 WATT MEDICAL-GRADE SINGLE OUTPUT POWER SUPPLIES (CONT.)

SPECIFICATIONS:	
Ripple/Noise (Vp-p):	<1% pk-pk (20MHz bandwidth)
Operating Temperature:	0°C to 60°C

DIMENSIONS: 5L x 3W x 1.22"H

Mfg. Part No.	Output Voltage (V)	Output Current (A)*	Power (W)	Efficiency %**	Stock No.	Price Each
● MSA150012A	15	12.5	150	91	58P0380	99.83
● MSA150015A	12	10	150	91	58P0381	99.83
● MSA150018A	10	8.3	150	91	58P0382	99.83
● MSA150024A	7.5	6.3	150	92	58P0383	99.83

* With convection cooling
 **Typical @ 115VAC
 (142228)

MSMP150 SERIES 150 WATT MEDICAL GRADE SINGLE OUTPUT POWER SUPPLIES

- 180 watts continuous power w/ forced air
- 150 watts w/ unrestricted natural convection
- Power factor correction
- Wide range AC input
- Fully regulated output
- Floating output
- High efficiency
- Medical grade approval
- UL60601-1, CSA C22.2 No.601.1-M90, IEC60601-1, CISPR11 and FCC Part15 Class B, EN61000-3-2,-3, EN61000-4-2,-3,-4,-5,-6,-8,-11, CE marked to LVD
- Class I
- 5 year warranty

MSMP150 series open frame medical grade power supplies include over voltage, over current and short circuit protection. Wt.: 2 lbs.



IE Elpac Power Systems.



SPECIFICATIONS:	
Input Voltage:	85-264VAC
Input Frequency:	47-63Hz
Total Regulation:	<±5%
Set Point Accuracy:	<±3% of rated output
Hold Up Time:	>20ms min. @ full load, 115VAC
Ripple/Noise (Vp-p):	1% (20 MHz bandwidth)
Operating Temperature:	0°C to 50°C

DIMENSIONS: 7L x 4.5W x 1.7"H

Mfg. Part No.	Output Voltage (V)	Output Current A* (A)	Output Current B† (A)	Power (W)	Efficiency % @ 115VAC (Typical)	Stock No.	Price Each
● MSMP15012F	12	12.5	15	150	82	15M9655	225.35
● MSMP15015F	15	10	12	150	83	15M9656	225.35
● MSMP15024F	24	6.2	7.5	150	85	15M9657	225.35
● MSMP15028F	28	5.3	6.4	150	86	15M9658	225.35
● MSMP15048F	48	3.2	3.8	150	85	15M9659	225.35

*Current A = Max. continuous current with unrestricted convection
 †Current B = Max. continuous current with 150 LFM air
 (95244)

MSMP250 SERIES 250 WATT MEDICAL GRADE SINGLE OUTPUT POWER SUPPLIES

- 350 watts continuous power w/ forced air
- 250 watts w/ unrestricted natural convection
- Power factor correction
- Wide range AC input
- Fully regulated output
- High efficiency
- Medical grade and ITE approval
- CISPR 11 and FCC part 15, Class B, EN61000-3-2, -3 Class D, EN61000-4-2, -3, -4, -5, -6, -8, -11, CE marked to LVD, UL 60601-1, CSA C22.2 No.601.1-M90, CB per IEC 60601-1, UL 60950-1, CSA C22.2 No.60950-1, CB per IEC 60950-1
- Class I
- 5 year warranty

MSMP250 series open frame medical grade power supplies include over voltage, over current and short circuit protection. Wt.: 2.1 lbs.



IE Elpac Power Systems.



SPECIFICATIONS:	
Input Voltage:	85-264VAC
Input Frequency:	47-63Hz
Total Regulation:	<±5%
Set Point Accuracy:	<±3% of rated output
Hold Up Time:	>20ms min. @ full load, 115VAC
Ripple/Noise (Vp-p):	<1% (20 MHz bandwidth)
Operating Temperature:	0°C to 50°C

➤ CONTINUED ➤

MSMP250 SERIES 250 WATT MEDICAL GRADE SINGLE OUTPUT POWER SUPPLIES (CONT.)

DIMENSIONS: 8L x 5W x 1.5"H

Mfg. Part No.	Output Voltage (V)	Output Current A* (A)	Output Current B† (A)	Power (W)	Efficiency % @ 115VAC (Typical)	Stock No.	Price Each
● MSMP25012F	12	20	28	250	87	15M9660	265.11
● MSMP25015F	15	16.5	23	250	88	15M9661	265.11
● MSMP25024F	24	10.5	14.5	250	87	15M9662	265.11
● MSMP25028F	28	9	12.5	250	88	15M9663	265.11
● MSMP25048F	48	5.3	7.4	250	88	15M9664	265.11

*Current A = Max. continuous current with unrestricted convection
 †Current B = Max. continuous current with 150 LFM air
 (95245)

ALS SERIES SINGLE OUTPUT SWITCH MODE POWER SUPPLIES



ALS series is a single output power supply. It provides a DC output power in an open frame package. Excellent performance specifications are provided, together with compliance to European EMC and Low Voltage directive.



SPECIFICATIONS:	
Input Voltage:	100-120Vac/200-240Vac
Input Frequency:	47-63Hz
Operating Temperature:	Convection Cooling 0-50°C
EMC:	EN55022, Class A
TUV:	EN60950

DIMENSIONS: 1.40 x 3.00 x 5.00" (H x W x D)

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Power (W)	Stock No.	Price Each
● ALS50-3.3	3.3	9.1	30	79K5238	30.15
● ALS50-5	5	9.6	48	79K5239	30.15
● ALS50-12	12	4.2	50.4	79K5236	30.15
● ALS50-24	24	2.1	50.4	79K5237	30.15

DIMENSIONS: 1.65 x 3.00 x 5.00" (H x W x D)

● ALS75-3.3	3.3	12	40	79K5242	33.90
● ALS75-5	5	12	75	79K5243	33.90
● ALS75-12	12	6.2	75	79K5240	33.90
● ALS75-24	24	3.1	75	79K5241	33.90

(88111)

AWSP SERIES SINGLE OUTPUT SWITCH MODE POWER SUPPLIES



The AWSP series is a single output power supply. This closed frame design provides high reliability for a wide variety of applications, including the industrial and telecommunications markets. Excellent performance specifications are provided, together with compliance to European EMC and Low Voltage directive.



SPECIFICATIONS:	AWSP40/AWSP60	AWSP100/AWSP150
Input Voltage:	85-264VAC	88-264VAC
Input Frequency:	47-63Hz	
Operating Temperature:	-10 to 60°C	
EMC:	EN55022, Class B and EN61000-3-2	
TUV:	EN60950	

DIMENSIONS: 1.50 x 3.86 x 5.08" (H x W x D)

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Power (W)	Stock No.	Price Each
● AWSP40-5	5	7.6	38	79K5252	24.67
● AWSP40-12	12	3.3	40	79K5250	24.67
● AWSP40-24	24	1.7	40	79K5251	24.67

DIMENSIONS: 1.50 x 3.86 x 6.30" (H x W x D)

● AWSP60-5	5	12	60	79K5255	30.21
● AWSP60-12	12	5	60	79K5253	30.21
● AWSP60-24	24	2.5	60	79K5254	30.21

DIMENSIONS: 1.65 x 3.86 x 7.83" (H x W x D)

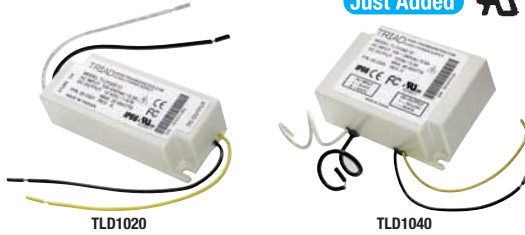
● AWSP100-5	5	20	100	79K5246	58.66
● AWSP100-12	12	8.4	100	79K5244	58.66
● AWSP100-24	24	4.2	100	79K5245	58.66
● AWSP150-5	5	30	150	79K5249	61.77
● AWSP150-12	12	12.5	150	79K5247	61.77
● AWSP150-24	24	6.3	150	79K5248	61.77

(88113)

LED DRIVERS • EXTERNAL POWER SUPPLIES

TLD1020/40 SERIES 20-40 W
SINGLE OUTPUT SWITCHING
POWER SUPPLIES

TRIAD
Just Added



TLD1020/40 series 20-40 watt single output encapsulated switching power supplies feature power factor correction for use in indoor and outdoor IP66/NEMA 4 applications.

SPECIFICATIONS:

Input Voltage:	90-264VAC
Input Frequency:	47-63 Hz
Operating Temperature:	-40°C to +60°C Full Load, derate 1%/°C from 60°C to 70°C max
Efficiency (%):	84
EMC Emissions:	Compliant to 47CFR, Part 2, Part 15 and CispR PUB, 22
Class II Safety Approval:	UL/cUL 1310, UL48, CE Mark (LVD)
Dimension (LxWxH):	TLD1020: 3.74 x 1.57 x 0.97" TLD1040: 3.74 x 2.76 x 1.26"

CONSTANT VOLTAGE MODELS

Mfg. Part No.	Output Voltage (V)	Output Current (mA)	Power (W)	Stock No.	Price 1-9
● TLD1020-12	12	1660	20	45P2892	36.12
● TLD1020-24	24	830	20	46M3498	36.12
● TLD1040-12	12	3330	40	45P2896	46.56
● TLD1040-24	24	1670	40	46M3500	46.56

CONSTANT CURRENT MODELS

● TLD1020-24-C0350	12-24	350	20	45P2893	36.12
● TLD1020-24-C0700	12-24	700	20	45P2894	36.12
● TLD1020-36-C0350	18-36	350	20	45P2895	36.12
● TLD1040-24-C1050	12-24	1050	40	45P2897	46.56
● TLD1040-36-C0700	18-36	700	40	45P2898	46.56
● TLD1040-36-C1050	18-36	1050	40	45P2899	46.56

(138900)

TLM40 SERIES 26 WATT SINGLE
OUTPUT DC/DC CONVERTERS

TRIAD
Just Added

TLM series is a 26 watt constant current encapsulated DC/DC switching power supply used for indoor and outdoor IP66/NEMA 4 applications.



SPECIFICATIONS:

Input Voltage:	10-40 VDC
Operating Temperature:	-40°C to +60°C Full Load, derate 1%/°C from 60°C to 70°C max
Efficiency (%):	90
Dimensions (LxWxH):	1.26 x 1.22 x 0.59"

Mfg. Part No.	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Stock No.	Price Each 1-9
● TLM4036-DC-0350	10 ~ 40	2 ~ 36	350	45P2900	19.20
● TLM4036-DC-0700	10 ~ 40	2 ~ 32	700	45P2901	19.20
● TLM4036-DC-1000	10 ~ 40	2 ~ 26	1050	45P2902	19.20

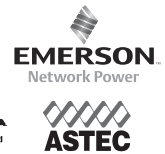
(138950)

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(148559)

DA4 SERIES 4 WATT
EXTERNAL POWER ADAPTERS

DA4-050EU

- Switching wallmount power supply
- Universal AC input
- Regulated output
- Constant voltage, constant current
- High MTBF



DA4-050US

- Built in EMI filter (CISPR 22 Class B)
- LED power good indicator
- CE Mark EMC and LVD
- 2 year warranty



DA4-050CH

DA4 series 4 watt external power adapters include overload and short circuit protection. Available in multiple AC plug configurations.

SPECIFICATIONS:

Input range:	90-264 VAC (wide range)
Frequency:	47-63 Hz
EMI/RFI:	FCC Part 15, Subpart B Class B and EN55022 (CISPR 22) Class B and EMC89/336/EEC
Safety ground leakage current:	100 µA @ 50/60 Hz, 230 VAC input
Operating temperature:	0°C to 50°C ambient

DIMENSIONS: 2.4L x 1.8W x 1.0"H

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Max. Power (W)	Stock No.	Price Each 1-9
● DA4-050CH	5	0.75	4	70K1035	9.09
● DA4-050EU	5	0.75	4	70K1037	9.09
● DA4-050US	5	0.75	4	70K1039	9.09

(110624)

DPT50 SERIES 50 WATT
EXTERNAL POWER ADAPTERS

- Universal AC input
- Fully regulated output
- Input power <74 watts
- High efficiency
- High MTBF
- Built in EMI filter (CISPR 22 Class B)
- LED power good indicator
- CE Mark EMC and LVD
- Complies with EN61000-3-2
- Medical safety approval models available
- 2 year warranty



DPT50 series 50 watt external power adapters include overpower and short circuit protection. IEC320 AC receptacle 3 pin (type C14). AC input power cord sold separately; go online or call.

SPECIFICATIONS:

Input range:	90-264 VAC (wide range) 127-300 VDC
Frequency:	47-440 Hz
Inrush current:	<60A peak @ 230VAC, cold start 25°C
Input current:	1 A maximum
EMI/RFI:	FCC Part 15, Subpart B Class B and EN55022 (CISPR 22) Class B
Safety ground leakage current:	500µA @ 50/60 Hz, 264 VAC input - DPT50 275µA @ 50/60 Hz, 264 VAC input - DPT50-M
Operating temperature:	0°C to +40°C ambient. Derate each output as 2.5% per degree from 40°C to 60°C. -20°C start up.

STANDARD SERIES — DIMENSIONS: 5.24L x 2.39W x 1.62"H

Mfg. Part No.	Output Power (W)	Output 1 (VDC) + (V) (A)	Output 2 (VDC) + (V) (A)	Output 3 (VDC) (V) (A)	Efficiency (%) @ Typ. Load @ 115VAC	Stock No.	Price Each 1-9
● DPT51	30	3.3 9	5 3	+12 0.5	80	95M8324	88.34
● DPT52	50	5 8	12 3	-12 0.5	80	28M9050	88.34
● DPT53	50	5 8	15 2.4	-15 0.5	80	88M3398	88.34
● DPT54	50	5 8	24 1.5	+12 0.5	80	95M8328	88.34

MEDICAL SERIES

● DPT51-M	30	3.3 9	5 3	+12 0.5	80	95M8325	98.62
● DPT52-M	50	5 8	12 3	-12 0.5	80	95M8326	98.62
● DPT53-M	50	5 8	15 2.4	-15 0.5	80	95M8327	98.62
● DPT54-M	50	5 8	24 1.5	+12 0.5	80	95M8329	98.62

(110626)

EXTERNAL POWER SUPPLIES

DPS50 SERIES SINGLE OUTPUT EXTERNAL DESKTOP POWER SUPPLIES

- Universal AC input
- Fully regulated output
- Overload and short circuit protection
- Blue Angel compliance
- Constant voltage
- High efficiency
- High MTBF
- LED power good indicator
- Input power <74 watts
- Built in EMI filter (CISPR 22 Class B)
- IEC320 AC receptacle, 3 pin (type C14)
- CE Mark EMC & LVD
- Complies with EN61000-3-2
- Medical safety approval models available



SPECIFICATIONS:	
Input range:	90-264 VAC, 127-300 VDC
Frequency:	47-440 Hz
Inrush current:	<50A @ 230 VAC, cold start @ 25C
Input current:	<2.0A rms @ 115 VAC, <1A @ 230 VAC
Dimensions:	1.62 x 2.39 x 5.24" (H x W x D)

STANDARD SERIES

Mfg. Part No.	Power (W)	Output Voltage (V)	Output Current (A)	Stock No.	Price Each
● DPS52	30	5	6	01M7353	60.67
● DPS53	60	12	5	04M4512	60.67
DPS54	60	15	4	19K4296	60.67
● DPS55	60	24	2.5	01M7357	60.67
● DPS58	60	48	1.25	01M7359	60.67

MEDICAL SERIES

● DPS52-M	30	5	6	01M7354	66.15
● DPS53-M	60	12	5	01M7355	70.78
● DPS54-M	60	15	4	01M7356	66.15
● DPS55-M	60	24	2.5	01M7358	66.15

(83890)

AD50 SERIES 50 WATT EXTERNAL POWER ADAPTERS

- Universal AC input
- Fully regulated output
- Input power <74 watts
- High efficiency
- High MTBF
- AC input fuse
- Built in EMI filter (CISPR 22 Class B)
- Complies with one watt input Energy Star/Blue Angel
- CE Mark EMC and LVD
- Complies with EN61000-3-2
- Medical safety approval models available
- 2 year warranty



AD50 series 50 watt external power adapters include overcurrent and over voltage protection. AC input connector: IEC320, C6 or C8. AC input power cord sold separately; go online or call.

SPECIFICATIONS:	
Input range:	90-264 VAC (wide range)
Frequency:	47-63 Hz
Inrush current:	60A maximum @ 230VAC, cold start 25C°
Input current:	2 A maximum
EMI/RFI:	FCC Part 15, Class B & EN55022 (CISPR 22) Class B
Safety ground leakage current:	300µA maximum @ 50/60 Hz, 264 VAC input - AD5012N3L 100µA maximum @ 50/60 Hz, 264 VAC input - AD5012N2L
Operating temperature:	5°C to +40°C ambient

STANDARD SERIES — DIMENSIONS: 4.7L x 2.6W x 1.6"H

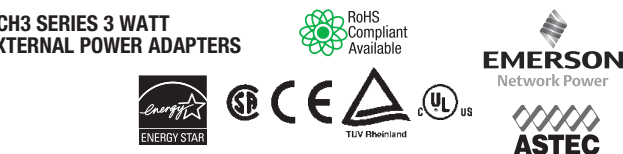
Mfg. Part No.	DC Output Voltage (V)	Output Current (A)	Max. Power (W)	Efficiency % (Typ.)	Stock No.	Price Each
● AD5012N2L	12	4.16	50	80	95M8314	49.71
● AD5012N3L	12	4.16	50	80	95M8316	49.71

MEDICAL SERIES

● AD5012N2LM	12	4.16	50	80	95M8315	58.76
● AD5012N3LM	12	4.16	50	80	95M8317	58.76

(110623)

DCH3 SERIES 3 WATT EXTERNAL POWER ADAPTERS



DCH3-050US

- Switching wallmount power supply
- Universal AC input
- Regulated output
- Overload and short circuit protection
- Constant voltage, constant current
- High MTBF

DCH3-050CH

- Built in EMI filter (CISPR 22 Class B)
- Mini USB 2.0 dc output plug -0001 suffix
- Micro USB 2.0 dc output plug -0002 suffix
- Energy Star Efficiency Level IV
- CE Mark EMC and LVD
- 2 year warranty

DCH3-050EU

DCH3 series 3 watt external power adapters include overload and short circuit protection... Available in multiple AC plug configurations.

SPECIFICATIONS:	
Input range:	100-254 VAC (wide range)
Frequency:	47-63 Hz
EMI/RFI:	FCC Part 15, Subpart B Class B and EN55022 (CISPR 22) Class B and EMC89/336/EEC
Safety ground leakage current:	10 µA @ 50/60 Hz, 230 VAC input
Operating temperature:	0°C to 45°C ambient

DIMENSIONS: 2.3L x 1.8W x 1.0"H

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Max. Power (W)	Stock No.	Price Each
● DCH3-050US-0001	5	0.55	3	95M8322	6.82
● DCH3-050EU-0001	5	0.55	3	95M8320	6.82
● DCH3-050UK-0001	5	0.55	3	95M8318	6.82
● DCH3-050US-0002	5	0.55	3	95M8323	6.82
● DCH3-050EU-0002	5	0.55	3	95M8321	6.82

(110625)

WM10 SERIES 10 WATT AC ADAPTERS

- Level B EMI filter
- Fully regulated output
- High efficiency
- 5 year warranty



WM10 series 10 watt AC adapters include over voltage, over current and short circuit protection. Input connector: 2 pin NEMA 5/16 (no ground pin). Output connector: barrel connector (5.5 x 2.5 9.5mm). UL listed. Wt.: 0.35 lbs.

SPECIFICATIONS:	
Input Voltage:	100-120VAC
Input Frequency:	50-60Hz
Line Regulation:	TYP±1%
Load Regulation:	TYP±5%
Set Point:	±3% @ 60% load
Hold Up Time:	20ms min. @ full load, 115VAC
Ripple/Noise (Vp-p):	±1% (20 MHz bandwidth)
Operating Temperature:	0°C to 40°C

DIMENSIONS: 6.9L x 2.3W x 1.6"H

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Power (W)	Efficiency % @ 115VAC (Typical)	Stock No.	Price Each
WM1005-760	5	2	10	75	68H9596	26.45
WM1012-760	12	0.8	10	75	68H9598	26.45
WM1024-760	24	0.4	10	75	68H9599	26.45

(106430)



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(148830)

EXTERNAL POWER SUPPLIES

DESKTOP 18-100W SINGLE OUTPUT REGULATED POWER SUPPLIES

- Wide Range AC Input (100-240VAC)
- Fully Regulated Output
- High Efficiency
- Fully Enclosed Plastic Case
- EN55022 and FCC Part 15 Class B, conducted and radiated, EN61000-3-2, -3, EN61000-3-2, -3, -4, -5, -6, -11, CE marked to LVD and EMC Directive, UL 60950-1, CB per IEC 60950-1, CSA C22.2 No.60950-1



IE Elpac Power Systems.



Input	
Voltage	100-240VAC
Frequency	47-63Hz
Output	
Line Regulation	Typ ±1%
Load Regulation	Typ ±5%
Set Point	±3% @ 60% Load
Hold Up Time	20ms min. @ Full Load 115VAC

Compact power supplies feature fully regulated outputs, over voltage, over current and short circuit protection. Input connector: 3-pin IEC 320 receptacle, output connector barrel type (5.5 x 2.5 x 9.5mm) center positive. **Mfg. part no.** FWP100 have a 5 or 8-pin DIN output connector. Includes 6', 3-conductor IEC A/C input cord. **NC** in mfg. part no. indicates no AC input cord. Five-year manufacturer's warranty.

Mfg. Part No.	Power (W)	Voltage (V)	Current (A)	Dimensions (mm)			Stock No.	Price Each
				L	H	W		
FW1805-760F	15	5	3.00	85	33	50	62K4595	36.86
FW1805-760F-NC	15	5	3.00	85	33	50	04M7172	35.86
FW1812-760F	18	12	1.50	85	33	50	62K4596	36.86
FW1812-760F-NC	18	12	1.50	85	33	50	04M7174	35.86
FW1818-760F	18	18	1.00	85	33	50	62K4597	36.86
FW1818-760F-NC	18	18	1.00	85	33	50	84M8254	35.86
FW1824-760F	18	24	0.75	85	33	50	62K4598	36.86
FW1824-760F-NC	18	24	0.75	85	33	50	84M8255	35.86
FW3012-760F	30	12	2.50	108	33	64.5	69K2203	52.58
FW3012-760F-NC	30	12	2.50	108	33	64.5	04M7175	51.58
FW3015-760F	30	15	2.00	108	33	64.5	69K2204	52.58
FW3015-760F-NC	30	15	2.00	108	33	64.5	87K1054	50.58
FW3018-760F	30	18	1.67	108	33	64.5	69K2205	52.58
FW3018-760F-NC	30	18	1.67	108	33	64.5	84M8256	51.58
FW3024-760F	30	24	1.25	108	33	64.5	69K2206	52.58
FW3024-760F-NC	30	24	1.25	108	33	64.5	04M7176	51.58
FW5012-760F	50	12	4.15	127	33	76.2	69K2207	61.24
FW5012-760F-NC	50	12	4.15	127	33	76.2	03M5201	70.98
FW5018-760F	50	18	2.75	127	33	76.2	69K2208	61.24
FW5018-760F-NC	50	18	2.75	127	33	76.2	84M8257	60.24
FW5024-760F	50	24	2.10	127	33	76.2	69K2209	61.24
FW5024-760F-NC	50	24	2.10	127	33	76.2	04M7177	60.24
FW7212-D5F	72	12	6.00	165	66	98	62K4601	74.36
FW7212-D5F-NC	72	12	6.00	165	66	98	04M7178	73.36
FW7224-D5F	72	24	3.00	165	66	98	62K4602	74.36
FW7224-D5F-NC	72	24	3.00	165	66	98	04M7179	77.77
FWP10012-D8F	100	12	8.00	165	66	98	06M7322	138.98
FWP10012-D8F-NC	100	12	8.00	165	66	98	27M1737	146.26
FWP10024-D5F	100	24	4.00	165	66	98	06M7323	138.98
FWP10024-D5F-NC	100	24	4.00	165	66	98	52M2229	146.26

(68389)

FWC18F SERIES 18 WATT SINGLE OUTPUT AC ADAPTERS

- Wide range AC input
- Fully regulated output
- High efficiency
- Output connected to ground
- EN55022 and FCC Part 15 Class B, conducted and radiated, EN61000-3-2, -3, EN61000-3-2, -3, -4, -5, -6, -11, CE marked to LVD and EMC Directive, UL 60950-1, CB per IEC 60950-1, CSA C22.2 No.60950-1
- Class 1
- CEC Compliant
- 5 year warranty



IE Elpac Power Systems.



FWC18F series 18 watt AC adapters include over voltage, over current and short circuit protection. Input connector: 3 pin IEC 320 input receptacle. Output connector: barrel type (5.5 x 2.5 x 9.5mm). Wt.: 0.45 lbs.

SPECIFICATIONS:	
Input Voltage:	85-264VAC
Input Frequency:	47-63Hz
Total Regulation:	≤±5%
Set Point:	±3% @ 60% load

➔ CONTINUED ➔

FWC18F SERIES 18 WATT SINGLE OUTPUT AC ADAPTERS (CONT.)

SPECIFICATIONS:	
Hold Up Time:	20ms min. @ full load, 115VAC
Ripple/Noise (Vp-p):	<1% (20 MHz bandwidth)
Operating Temperature:	0°C to 40°C

DIMENSIONS: 3.35L x 1.97W x 1.30"H

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Power (W)	Efficiency % @ 115VAC (Typical)	Stock No.	Price Each
FWC1805-760F	5	3.6	18	79	43M2971	39.97
FWC1812-760F	12	1.5	18	83	43M2972	39.97
FWC1818-760F	18	1	18	85	43M2973	39.97
FWC1824-760F	24	0.75	18	86	43M2974	39.97
FWC1805-760F-NC	5	3.6	18	79	49M0733	34.97
FWC1812-760F-NC	12	1.5	18	83	49M0734	34.97
FWC1818-760F-NC	18	1	18	85	49M0735	34.97
FWC1824-760F-NC	24	0.75	18	86	49M0736	34.97

(95194)

FWB100 SERIES 100 WATT POWER SUPPLY WITH PFC

- Wide range AC input
- Fully regulated output
- High efficiency
- Output grounded
- Power Factor Correction
- EN55022 and FCC Part 15 Class B, conducted and radiated, EN61000-3-2, -3, EN61000-4-2, -3, -4, -5, -6, -8, -11, CE marked to LVD and EMC Directive, UL 60950-1, CB per IEC 60950-1, CSA C22.2 No.60950-1, Class 1
- CEC Compliant
- DC output cable length: 12V = 4 ft., 18V, 24V = 6 ft.
- 5 year warranty



IE Elpac Power Systems.



FWB100 series 100 watt IT desktop AC/DC power supplies include over voltage, over current and short circuit protection. Input connector: 3 pin IEC 320 input receptacle. Output connector: DIN-5 (DIN-8 on 12V). Wt.: 1.52 lbs.

SPECIFICATIONS:	
Input Voltage:	100-240VAC
Input Frequency:	47-63Hz
Total Regulation:	≤±5%
Set Point:	±3% @ 60% load
Hold Up Time:	20ms min. @ full load, 115VAC
Ripple/Noise (Vp-p):	<1% (20 MHz bandwidth)
Operating Temperature:	0°C to 40°C

DIMENSIONS: 6.9L x 2.3W x 1.6"H

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Power (W)	Efficiency % @ 115VAC (Typical)	Stock No.	Price Each
FWB100012A-12B	12	8.3	100	86	77M9077	125.66
FWB100018A-11B	18	5.55	100	88	77M9078	125.66
FWB100024A-11B	24	4.13	100	89	77M9079	125.66

(106426)

FWA150 SERIES 150 WATT COMMERCIAL-GRADE SWITCH MODE POWER SUPPLIES

- High efficiency
- High power density 5.4W/in³
- Hold-up time >25ms at full load
- 5-year manufacturer's limited warranty
- Energy Star Level V
- Meets FCC Class B, CISPR22 Class B, EN61000-3-2, -3
- EISA (Energy Independent Security Act) compliant, CEC compliant
- UL listed, CSA certified, CE compliant, TUV approved



IE Elpac Power Systems.



FWA150 series 150W commercial-grade external power supplies include over voltage, over current, over temperature, and short circuit protection. Input connector: 3-prong IEC 320 C14 receptacle. Output connector: DIN-8 pin circular connector. Weight: 1.55 lbs.

SPECIFICATIONS:	
Input Voltage:	100-240VAC (Nominal)
Total Regulation:	±5%
Hold Up Time:	>25ms @ any input voltage
Ripple/Noise (Vp-p):	<1% pk-pk (20MHz bandwidth)
Operating Temperature:	0°C to 60°C

➔ CONTINUED ➔

EXTERNAL POWER SUPPLIES

FWA150 SERIES 150 WATT COMMERCIAL-GRADE SWITCH MODE POWER SUPPLIES (CONT.)

DIMENSIONS: 7.56L x 2.45W x 1.52"H

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Power (W)	Efficiency %	Stock No.	Price Each
● FWA150012A-12B	12	12.5	150	89	51P2952	107.19
● FWA150015A-12B	15	10	150	90	51P2953	107.19
● FWA150018A-12B	18	8.3	150	90	51P2954	107.19
● FWA150024A-12B	24	6.3	150	91	51P2955	107.19

(142154)

MW12 SERIES 12 WATT MEDICAL GRADE SINGLE OUTPUT AC ADAPTERS



IE Elpac Power Systems.

- Wide range AC input
- Fully regulated output
- High efficiency
- Medical grade approval
- UL60601-1, CSA C22.2 No.601.1-M90, IEC60601-1, CISPR11 and FCC Part15 Class B, 61000-3-2,-3, EN61000-4-2,-3,-4,-5,-6,-8,-11, CE marked to LVD
- Class II
- 5 year warranty



MW12 series 12 watt medical grade AC adapters include over voltage, over current and short circuit protection. Wt.: 0.45 lbs. Colors: black and white.

SPECIFICATIONS:

Input Voltage:	100-240VAC
Input Frequency:	50-60Hz
Line Regulation:	TYP $\pm 1\%$
Load Regulation:	TYP $\pm 5\%$
Set Point:	$\pm 3\%$ @ 60% load
Hold Up Time:	20ms min. @ full load, 115VAC
Ripple/Noise (Vp-p):	$\pm 1\%$ (20 MHz bandwidth)
Efficiency:	80% min @ full load and 115 VAC
Operating Temperature:	0°C to 40°C

DIMENSIONS: 3.35L x 1.97W x 1.3"H

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Power (W)	Stock No.	Price Each
MW1212-760-NC-WH	12	1	12	35K8849	36.86
MW1224-760-NC-BK	24	0.5	12	35K8850	36.86
MW1224-760-NC-WH	24	0.5	12	35K8851	36.86
MW1212-760-NC-BK	12	1	12	36J9433	36.86

(95198)

MW24 SERIES 24 WATT MEDICAL GRADE SINGLE OUTPUT AC ADAPTERS



IE Elpac Power Systems.

- Wide range AC input
- Fully regulated output
- High efficiency
- Medical grade approval
- UL60601-1, CSA C22.2 No.601.1-M90, IEC60601-1, CISPR11 and FCC Part15 Class B, 61000-3-2,-3, EN61000-4-2,-3,-4,-5,-6,-8,-11, CE marked to LVD
- Class I
- 5 year warranty



MW24 series 24 watt medical grade AC adapters include over voltage, over current and short circuit protection. Input connector: 3 pin IEC 320 input receptacle. Output connector: barrel type (5.5 x 2.5 x 9.5 mm). Wt.: 0.45 lbs. Colors: black and white.

SPECIFICATIONS:

Input Voltage:	100-240VAC
Input Frequency:	47-63Hz
Line Regulation:	TYP $\pm 1\%$
Load Regulation:	TYP $\pm 5\%$
Set Point:	$\pm 3\%$ @ 60% load
Hold Up Time:	20ms min. @ full load, 115VAC
Ripple/Noise (Vp-p):	$\pm 1\%$ (20 MHz bandwidth)
Efficiency:	80% min @ full load and 115 VAC
Operating Temperature:	0°C to 40°C

DIMENSIONS: 4.25L x 2.5W x 1.30"H

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Power (W)	Stock No.	Price Each
MW2412-760-NC-BK	12	2	24	49M0707	44.81
MW2412-760-NC-WH	12	2	24	35K8852	44.81

➔ CONTINUED ➔

MW24 SERIES 24 WATT MEDICAL GRADE SINGLE OUTPUT AC ADAPTERS (CONT.)

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Power (W)	Stock No.	Price Each
MW2415-760-NC-BK	15	1.6	24	35K8853	44.81
MW2415-760-NC-WH	15	1.6	24	35K8854	44.81
MW2418-760-NC-BK	18	1.33	24	35K8855	44.81
MW2418-760-NC-WH	18	1.33	24	35K8856	44.81
MW2424-760-NC-BK	24	1	24	35K8857	44.81
MW2424-760-NC-WH	24	1	24	35K8858	44.81

(95200)

MEDICAL GRADE - 40W SINGLE OUTPUT REGULATED POWER SUPPLIES



IE Elpac Power Systems.

- Wide Range AC Input (100-240VAC)
- Fully Regulated Output
- High Efficiency
- Fully Enclosed Plastic Case
- UL60601-1, CSA C22.2 No.601.1-M90, IEC60601-1, CISPR11 and FCC Part15 Class B, 61000-3-2,-3, EN61000-4-2,-3,-4,-5,-6,-8,-11, CE marked to LVD
- Class I



Designed to support medical applications, fully regulated, over voltage, over current and short circuit protection. Input connector: 3-pin IEC 320 receptacle, output connector barrel type (5.5 x 2.5 x 9.5mm) center positive. Dimensions: 12.7L x 7.63W x 3.3H. UL listed, CSA certified. Five-year manufacturer's warranty. Color: black. Color white also available; go online or call.

Mfg. Part No.	Voltage	Current	Stock No.	Price Each
● MW4009-760F-NC-BK	9	4.4	15M9838	44.09
● MW4012-760F-NC-BK	12	3.3	15M9840	57.18
● MW4015-760F-NC-BK	15	2.7	15M9842	57.18
● MW4018-760F-NC-BK	18	2.2	15M9844	57.18
● MW4024-760F-NC-BK	24	1.67	15M9846	44.09

(68388)

MW65F SERIES 65 WATT MEDICAL GRADE SINGLE OUTPUT AC ADAPTERS



IE Elpac Power Systems.

- Wide range AC input
- Fully regulated output
- Floating output
- High efficiency
- LED indicator
- UL60601-1, CSA C22.2 No.601.1-M90, IEC60601-1, CISPR11 and FCC Part15 Class B, 61000-3-2,-3, EN61000-4-2,-3,-4,-5,-6,-8,-11, CE marked to LVD
- Class I
- CEC compliant
- 5 year warranty



MW65F series 65 watt medical grade AC adapters include over voltage, over current and short circuit protection. Wt.: 1.2 lbs. Colors: black and white.

SPECIFICATIONS:

Input Voltage:	100-240VAC
Input Frequency:	50-60Hz
Total Regulation:	$< \pm 5\%$
Set Point Accuracy:	$< \pm 3\%$ @ 60% load
Hold Up Time:	$> 12\text{ms}$ min. @ full load, 115VAC
Ripple/Noise (Vp-p):	$< 1\%$ (20 MHz bandwidth)
Operating Temperature:	0°C to 40°C

DIMENSIONS: 5.07L x 3.06W x 1.35"H

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Power (W)	Stock No.	Price Each
● MW6509-D5F-NC-BK	9	7.2	65	15M9848	83.89
● MW6509-D5F-NC-WH	9	7.2	65	15M9849	83.89
● MW6512-D5F-NC-BK	12	5.4	65	15M9850	81.70
● MW6512-D5F-NC-WH	12	5.4	65	15M9851	81.70
● MW6515-D5F-NC-BK	15	4.3	65	15M9852	81.70
● MW6515-D5F-NC-WH	15	4.3	65	15M9853	81.70
● MW6524-D5F-NC-BK	24	2.7	65	15M9854	81.70
● MW6524-D5F-NC-WH	24	2.7	65	15M9855	81.70

(95199)

EXTERNAL POWER SUPPLIES

MWP90 SERIES 90 WATT
MEDICAL GRADE SINGLE
OUTPUT AC ADAPTERS

- Power factor correction
- Wide range AC input
- Fully regulated output
- High efficiency
- Medical grade approval
- UL60601-1, CSA C22.2 No.601.1-M90, IEC60601-1, CISPR11 and FCC Part15 Class B, 61000-3-2,-3, EN61000-4-2,-3,-4,-5,-6,-8,-11, CE marked to LVD
- Class II
- 5 year warranty

MWP90 series 90 watt medical grade AC adapters include over voltage, over current and short circuit protection. Wt.: 1.40 lbs. Colors: black and white.



IE Elpac Power Systems.



SPECIFICATIONS:

Input Voltage:	85-264VAC
Input Frequency:	47-63Hz
Line Regulation:	TYP ±1%
Load Regulation:	TYP ±5%
Set Point:	±3% @ 60% load
Hold Up Time:	20ms min. @ full load, 115VAC
Ripple/Noise (Vp-p):	± 1% pk-pk (20 MHz bandwidth)
Efficiency:	90% typical
Operating Temperature:	0°C to 40°C

DIMENSIONS: 5.9L x 3.33W x 1.5"H

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Power (W)	Stock No.	Price Each
MWP9012-D8-NC-BK	12	7.5	90	35K8841	171.85
MWP9012-D8-NC-WH	12	7.5	90	35K8842	171.85
MWP9015-D8-NC-BK	15	6	90	35K8843	171.85
MWP9015-D8-NC-WH	15	6	90	35K8844	171.85
MWP9018-D8-NC-BK	18	5	90	35K8845	174.88
MWP9018-D8-NC-WH	18	5	90	35K8846	174.88
MWP9024-D8-NC-BK	24	3.75	90	35K8847	168.82
MWP9024-D8-NC-WH	24	3.75	90	35K8848	168.82

(95197)

MWA100 SERIES 100 WATT
MEDICAL GRADE EXTERNAL
POWER SUPPLIES

- Wide range AC input
- Fully regulated output
- High efficiency
- UL60601-1, CSA C22.2 No.601.1-M90, IEC60601-1, CISPR11 and FCC Part15 Class B, 61000-3-2,-3, EN61000-4-2,-3,-4,-5,-6,-8,-11, CE marked to LVD
- CEC Compliant
- Class I
- 5 year warranty



IE Elpac Power Systems.



MWA100 series 100 watt medical grade external power supplies include over voltage, over current and short circuit protection. Input connector: 3 pin IEC 320 receptacle. Output connector: DIN-8 pin circular connector. Wt.: 1.1 lbs.

SPECIFICATIONS:

Input Voltage:	85-264VAC
Total Regulation:	<±5%
Set Point Accuracy:	±3% @ 60% load
Hold Up Time:	20ms typ @ full load, 115VAC
Ripple/Noise (Vp-p):	<1% (20 MHz bandwidth)
Operating Temperature:	0°C to 40°C

DIMENSIONS: 5.07L x 3.06W x 1.35"H

Mfg. Part No.	DC Output Voltage (V)	Output Current (A)	Power (W)	Efficiency %	Stock No.	Price Each
MWA100012A-12A	12	8.3	100	90	77M9092	105.33
MWA100015A-12A	15	6.7	100	90	77M9093	105.33
MWA100018A-12A	18	5.6	100	90	77M9094	105.33
MWA100024A-12A	24	4.2	100	90	77M9095	105.33

(106427)

MWB100 SERIES 100 WATT
MEDICAL GRADE EXTERNAL
POWER SUPPLIES

IE Elpac Power Systems.



- Wide range AC input
- Fully regulated output
- High efficiency
- UL60601-1, CSA C22.2 No.601.1-M90, IEC60601-1, CISPR11 and FCC Part15 Class B, 61000-3-2,-3, EN61000-4-2,-3,-4,-5,-6,-8,-11, CE marked to LVD
- CEC Compliant
- Class II
- DC output cable length: 12V = 4 ft., 15V, 18V, 24V = 6 ft.
- 5 year warranty

MWB100 series 100 watt medical grade external power supplies include over voltage, over current and short circuit protection. Input connector: 3 pin IEC 320 receptacle. Output connector: DIN-8 pin circular connector. Wt.: 1.1 lbs.

SPECIFICATIONS:

Input Voltage:	85-264VAC
Total Regulation:	<±5%
Set Point Accuracy:	±3% @ 60% load
Hold Up Time:	20ms typ @ full load, 115VAC
Ripple/Noise (Vp-p):	<1% (20 MHz bandwidth)
Operating Temperature:	0°C to 40°C

DIMENSIONS: 5.07L x 3.06W x 1.35"H

Mfg. Part No.	DC Output Voltage (V)	Output Current (A)	Power (W)	Efficiency %	Stock No.	Price Each
MWB100012A-12A	12	8.3	100	90	77M9096	105.33
MWB100015A-12A	15	6.7	100	90	77M9097	105.33
MWB100018A-12A	18	5.6	100	90	77M9098	105.33
MWB100024A-12A	24	4.2	100	90	77M9099	105.33

(106428)

MWC100 SERIES 100 WATT
MEDICAL GRADE EXTERNAL
POWER SUPPLIES

IE Elpac Power Systems.



- Wide range AC input
- Fully regulated output
- High efficiency
- Power Factor Correction
- UL60601-1, CSA C22.2 No.601.1-M90, IEC60601-1, CISPR11 and FCC Part15 Class B, 61000-3-2,-3, EN61000-4-2,-3,-4,-5,-6,-8,-11, CE marked to LVD
- CEC Compliant
- Class I
- 5 year warranty

MWC100 series 100 watt medical grade external power supplies include over voltage, over current and short circuit protection. Input connector: 3 pin IEC 320 receptacle. Output connector: DIN-5 pin circular connector (DIN-8 on 12V). Wt.: 1.5 lbs.

SPECIFICATIONS:

Input Voltage:	85-264VAC
Total Regulation:	<±5%
Set Point Accuracy:	±3% @ 60% load
Hold Up Time:	20ms typ @ full load, 115VAC
Ripple/Noise (Vp-p):	<1% (20 MHz bandwidth)
Operating Temperature:	0°C to 40°C

DIMENSIONS: 6.9L x 2.3W x 1.52"H

Mfg. Part No.	DC Output Voltage (V)	Output Current (A)	Power (W)	Efficiency %	Stock No.	Price Each
MWC100012A-12A	12	8.3	100	86	77M8854	125.66
MWC100018A-11A	18	5.55	100	88	77M8855	125.66
MWC100024A-11A	24	4.13	100	89	77M8856	125.66

(106429)



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(148833)

EXTERNAL POWER SUPPLIES

MWA150 SERIES
150 WATT MEDICAL-
GRADE EXTERNAL
POWER SUPPLIES

Just Added



IE Elpac Power Systems.

- High efficiency
- High power density 5.4W/in³
- Hold-up time >25ms at full load
- UL60601-1, CSA C22.2 NO.601.1-M90, IEC60601-1, CISPR11 and FCC Part 15 Class B, EN61000-3-2, -3, EN61000-4-2, -3, -4, -5, -6, -8, -11, CE marked to LVD
- Medical grade approval — EN60601-1 Class I
- Energy Star Level V
- EISA (Energy Independent Security Act) compliant, CEC compliant
- UL listed, CSA certified, CE compliant, TUV approved



MWA150 series 150 watt medical-grade external power supplies include over voltage, over current, over temperature, and short circuit protection. Input connector: 3 pin IEC 320 C14 receptacle. Output connector: DIN-8 pin circular connector. Weight: 1.55 lbs.

SPECIFICATIONS:

Input Voltage:	85-264 VAC
Total Regulation:	±5%
Hold Up Time:	>25ms @ any input voltage
Ripple/Noise (Vp-p):	<1% pk-pk (20MHz bandwidth)
Operating Temperature:	0°C to 60°C

DIMENSIONS: 7.56L x 2.45W x 1.52"H

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Power (W)	Efficiency %	Stock No.	Price Each
● MWA150012A-12A	12	12.5	150	89	46P5627	109.02
● MWA150015A-12A	15	10	150	90	46P5628	109.05
● MWA150018A-12A	18	8.3	150	90	46P5629	107.65
● MWA150024A-12A	24	6.3	150	91	46P5630	109.05

(142112)

FWC30F SERIES 30
WATT SINGLE OUTPUT
AC ADAPTER

IE Elpac Power Systems.

- Wide range AC input
- Fully regulated output
- High efficiency
- EN55022 and FCC Part 15 Class B, conducted and radiated, EN61000-3-2, -3, EN61000-4-2, -3, -4, -5, -6, -11, CE marked to LVD and EMC Directive, UL 60950-1, CB per IEC 60950-1, CSA C22.2 No.60950-1, Class I
- CEC Compliant
- 5 year warranty



FWC30F series 30 watt AC adapters include over voltage, over current and short circuit protection. Input connector: 3 pin IEC 320 input receptacle. Output connector: barrel type (5.5 x 2.5 x .95mm). Wt.: 0.6 lbs.

SPECIFICATIONS:

Input Voltage:	85-264VAC
Input Frequency:	47-63Hz
Total Regulation:	<±5%
Set Point:	±3% @ 60% load
Hold Up Time:	17ms min. @ full load, 115VAC
Ripple/Noise (Vp-p):	<1% (20 MHz bandwidth)
Operating Temperature:	0°C to 40°C

DIMENSIONS: 4.25L x 2.5W x 1.30"H

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Power (W)	Efficiency % @ 115VAC (Typical)	Stock No.	Price Each
● FWC3009-760F	9	3.33	30	81	39M3954	61.27
● FWC3012-760F	12	2.5	30	83	43M2975	61.27
● FWC3015-760F	15	2	30	84	43M2976	61.27
● FWC3018-760F	18	1.67	30	85	43M2977	61.27
● FWC3024-760F	24	1.25	30	86	43M2978	61.27
● FWC3009-760F-NC	9	3.33	30	81	49M0723	52.54
● FWC3012-760F-NC	12	2.5	30	83	49M0724	52.54
● FWC3015-760F-NC	15	2	30	84	49M0725	52.54
● FWC3018-760F-NC	18	1.67	30	85	49M0726	52.54
● FWC3024-760F-NC	24	1.25	30	86	49M0727	52.54

(95195)

FWC50F SERIES 50
WATT SINGLE OUTPUT
AC ADAPTERS

IE Elpac Power Systems.

- Wide range AC input
- Fully regulated output
- High efficiency
- EN55022 and FCC Part 15 Class B, conducted and radiated, EN61000-3-2, -3, EN61000-3-2, -3, -4, -5, -6, -11, CE marked to LVD and EMC Directive, UL 60950-1, CB per IEC 60950-1, CSA C22.2 No.60950-1, Class 1
- CEC Compliant
- 5 year warranty



FWC50F series 50 watt AC adapters include over voltage, over current and short circuit protection. Input connector: 3 pin IEC 320 input receptacle. Output connector: barrel type (5.5 x 2.5 x .95mm). Wt.: 0.75 lbs.

SPECIFICATIONS:

Input Voltage:	85-264VAC
Input Frequency:	47-63Hz
Total Regulation:	<±5%
Set Point:	±3% @ 60% load
Hold Up Time:	17ms min. @ full load, 115VAC
Ripple/Noise (Vp-p):	<1% (20 MHz bandwidth)
Operating Temperature:	0°C to 40°C

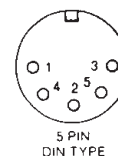
DIMENSIONS: 5L x 3W x 1.30"H

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Power (W)	Efficiency % @ 115VAC (Typical)	Stock No.	Price Each
● FWC5012-760F	12	4.15	50	83	43M2979	67.49
● FWC5018-760F	18	2.75	50	85	43M2980	67.49
● FWC5024-760F	24	2.1	50	87	43M2981	67.49
● FWC5012-760F-NC	12	4.15	50	83	49M0666	59.69
● FWC5018-760F-NC	18	2.75	50	85	49M0667	59.69
● FWC5024-760F-NC	24	2.1	50	87	49M0668	59.69

(95196)

EXTERNAL
REGULATED 115VAC
POWER SUPPLIES

IE Elpac Power Systems.



Single- and multiple-output units have a standard 5-pin DIN connector or a standard 760-type barrel connector. Input voltage: 115VAC 60Hz. Combined regulation of ±5%. Dielectric withstand voltage: 1500VAC, RMS. Mfg. part nos. WM113, and WM113TT-D5 measure 2.28L x 3.10W x 4.36"H. Mfg. part no. WM220-1-D5 measures 2.66L x 3.82W x 6.30"H. UL listed, CSA certified. Mfg. part nos. WRI have a wide input voltage range (90-250VAC). Dimensions: 6.3L x 3.8W x 2.66"H. EMI meets FCC/DE Class B. UL listed, CSA certified, CE compliant, TUV approved. Alternative output connectors available; go online or call.

REGULATED WALL MOUNT POWER SUPPLIES

Mfg. Part No.	Output 1	Output 2	Output 3	Stock No.	Price Each
WM063-1950-D5	+5V, 0.60A	+12V, 0.16A	-12V, 0.16A	16F116	50.43
WM071-1950-D5	+15V, 0.24A	-15V, 0.24A	...	16F124	43.67
WM080-1950-760	+24V, 0.33A	...	...	16F126	34.44

TABLE-TOP VERSIONS

Mfg. Part No.	Output 1	Output 2	Output 3	Stock No.	Price Each
WM113-TT	+5V, 860mA	+12V, 300mA	-12V, 300mA	87F2913	59.36
WM220-1	+5V, 2.0A	+12V, 500mA	-12V, 500mA	46F5044	127.20
WRI4212-D5	+12V, 3.5A	...	...	89F1670	120.38
WRI3021-D5	5V, 2.0A	+12V, 1.5/2.5A	...	89F1674	132.75
WRI2731-D5	5V, 3.0A	+12V, 0.5A	-12V, 0.5A	50F3440	144.00
WRI4231-D5	5V, 3.0A	+12V, 2.5/4.0A	-12V, 0.5A	89F1678	139.50
WRI-4232-D5	5V, 4.8A	+12V, 1.5/2.5A	-12V, 0.5A	89F1679	139.50

*CSA certified only
(3118)

Expert technical support

Chat online to our team of engineers, or connect to them through your representative.

(148838)

EXTERNAL POWER SUPPLIES

DOMESTIC AND EUROPEAN WALL PLUG-IN POWER SOURCES



STANCOR®



A range of compact power sources that are designed to provide a low power output (50-2000mA). Output termination compatible with Switchcraft **PC-722A** or **722A** with 6-ft. (1.83M) output cord. Secondary plug measures 0.083 x 0.216" (2.11 x 5.49). Wired: outside-positive; inside-negative (parts with **-4** suffix are wired: outside-negative; inside-positive) for AC-DC units. Domestic models are UL listed, CSA certified. European models are TÜV certified/CE compliant.

DOMESTIC AC-DC UNREGULATED MODELS, 120V/60Hz INPUT

Mfg. Part No.	Rated Output		Dimensions (in.)			Stock No.	Price Each
	Volts	mA	L	W	H		
STA-4125T	2.5VDC	500	2.5"(63.0)	2.0"(51.0)	1.6"(41.0)	48F1331	17.29
STA-4860-4	6.0VDC	1000	2.8"(70.5)	2.3"(57.0)	1.8"(44.6)	48F1332	16.94
STA-3560	6.0VDC	200	2.2"(55.0)	1.8"(44.6)	1.5"(37.2)	16M4582	10.90
STA-4160	6.0VDC	600	2.5"(62.99)	2.0"(51.05)	1.6"(40.89)	16M4594	13.25
STA-4160A	6.0VDC	800	2.5"(62.99)	2.0"(51.05)	1.6"(40.89)	84F2063	13.82
STA-4860	6.0VDC	1000	2.8"(70.5)	2.3"(57.0)	1.8"(44.6)	84F2064	16.94
STA-5760	6.0VDC	2000	3.4"(86.1)	2.6"(66.5)	2.2"(55.0)	16M4616	28.28
STA-3575A	7.5VDC	300	2.2"(55.0)	1.8"(44.6)	1.5"(37.2)	16M4583	12.13
STA-4875-4	7.5VDC	1000	2.8"(70.5)	2.3"(57.0)	1.8"(44.6)	16M4608	19.48
STA-4875	7.5VDC	1000	2.8"(70.5)	2.3"(57.0)	1.8"(44.6)	16M4607	19.48
STA-3590A	9.0VDC	300	2.2"(55.0)	1.8"(44.6)	1.5"(37.2)	16M4584	11.20
STA-4890	9.0VDC	1000	2.8"(70.5)	2.3"(57.0)	1.8"(44.6)	16M4609	20.41
STA-4890A	9.0VDC	1200	2.8"(70.5)	2.3"(57.0)	1.8"(44.6)	34M8656	20.89
STA-3512B	12.0VDC	200	2.2"(55.0)	1.8"(44.6)	1.5"(37.2)	18M3135	11.20
STA-4112	12.0VDC	400	2.5"(62.99)	2.0"(51.05)	1.6"(40.89)	16M4587	14.09
STA-4112C	12.0VDC	500	2.5"(62.99)	2.0"(51.05)	1.6"(40.89)	16M4589	14.09
STA-4812A-4	12.0VDC	1000	2.8"(70.5)	2.3"(57.0)	1.8"(44.6)	48F1335	23.72
STA-5712	12.0VDC	1200	3.4"(86.1)	2.6"(66.5)	2.2"(55.0)	48F3666	70.87
STA-5713	13.5VDC	1300	3.4"(86.1)	2.6"(66.5)	2.2"(55.0)	16M4613	31.42
STA-4814	14.5VDC	800	2.8"(70.5)	2.3"(57.0)	1.8"(44.6)	16M4601	19.36
STA-4815	15.0VDC	600	2.8"(70.5)	2.3"(57.0)	1.8"(44.6)	34M8655	19.36
STA-5715-4	15.0VDC	1000	3.4"(86.1)	2.6"(66.5)	2.2"(55.0)	48F1337	29.03
STA-6618-4	18.0VDC	2000	4.8"(121.1)	3.1"(80.0)	2.5"(64.5)	48F1338	64.56
STA-3518	18.5VDC	80	2.2"(55.0)	1.8"(44.6)	1.5"(37.2)	84F2076	11.38
STA-4824AT	24.0VDC	600	3.5"(89.0)	2.4"(61.0)	1.9"(47.0)	16M4603	25.38
STA-5724AT	24.0VDC	1000	3.4"(86.1)	2.6"(66.5)	2.2"(55.0)	16M4615	29.39
STA-3524	24.0VDC	50	2.2"(55.0)	1.8"(44.6)	1.5"(37.2)	96F7369	13.64

DOMESTIC AC-DC REGULATED MODELS, 120V/60Hz INPUT

STA-4130*	3.0VDC	350	2.5"(62.99)	2.0"(51.05)	1.6"(40.89)	16M4593	16.17
STA-4850	5.0VDC	600	3.5"(89.0)	2.4"(61.0)	1.9"(47.0)	16M4605	28.00
STA-4190C*	9.0VDC	200	2.5"(62.99)	2.0"(51.05)	1.6"(40.89)	84F2078	17.54
STA-4890B	9.0VDC	400	3.5"(89.0)	2.4"(61.0)	1.9"(47.0)	34M8657	23.44
STA-4110A	10.0VDC	300	2.5"(62.99)	2.0"(51.05)	1.6"(40.89)	16M4586	17.79
STA-300R	12.0VDC	200	2.5"(62.99)	2.0"(51.05)	1.6"(40.89)	16M4578	17.54

DOMESTIC AC-AC MODELS, 120V/60Hz INPUT

STA-3545B	4.5VAC	300	2.2"(55.0)	1.8"(44.6)	1.5"(37.2)	16M4581	9.76
STA-4190D	9.0VAC	500	2.5"(62.99)	2.0"(51.05)	1.6"(40.89)	84F2083	11.59
STA-4118*	18.0VAC	300	2.5"(62.99)	2.0"(51.05)	1.6"(40.89)	16M4590	11.59
STA-4824B	24.0VAC	450	2.8"(70.5)	2.2"(56.0)	1.8"(44.6)	16M4604	16.24

DOMESTIC DESK TOP AC-DC UNREGULATED MODELS, 120V/60Hz INPUT

STA-5713AC	13.5VDC	1700	3.4"(86.1)	2.6"(66.5)	2.2"(55.0)	16M4614	38.56
STA-6624	24.0VDC	1500	4.8"(121.1)	3.1"(80.0)	2.5"(64.5)	13B3831	124.94

EUROPEAN AC-DC UNREGULATED MODELS, 230V/50Hz INPUT, TÜV CERTIFIED, CE COMPLIANT

STAF-3309F	9.0VDC	300	2.5"(63.5)	2.0"(50.8)	1.6"(39.7)	84F2051	17.83
STAF-1058F	9.0VDC	500	2.5"(63.5)	2.0"(50.8)	1.6"(39.7)	16M4620	19.20

*UL listed only, not CSA certified.
(3108)

WALL PLUG-IN POWER SUPPLIES



TRIAD



- Input Voltage 120 VAC
- Available in 60 Hz only

Wall plug-in power sources eliminate the need for internal power supply cooling devices, thereby reducing the noise level, size and weight of the end product. These compact power sources keep heat away from sensitive circuits, and supply a safer lower output to the end product. They are completely enclosed to prevent tampering. 6 ft. cord length. UL listed.

AC/DC UNREGULATED MODELS

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Input Power (W)	Dimensions (mm)			Stock No.	Price Each
				H	W	D		
WDU6-200	6	0.2	3	60	43	39	73K6298	6.03
WDU6-300	6	0.3	4.5	60	43	39	97F7909	6.09
WDU6-600	6	0.6	7.5	70	50	41	97F7910	7.77
WDU6-800	6	0.8	10	70	50	41	96M9190	8.03
WDU6-1000	6	1	12	70	50	41	96M9189	8.36
WDU6-1200	6	1.2	15	70	50	41	97F7913	8.51
WDU75-800	7.5	0.8	11.5	70	50	41	96M9191	8.22
WDU9-100	9	0.1	2.3	60	43	39	97F7917	6.25
WDU9-300	9	0.3	5	60	43	39	97F7918	5.69
WDU9-500	9	0.5	18.5	70	50	41	97F7919	8.03
WDU9-1000	9	1	15.5	80	60	48	97F7920	8.43
WDU9-1200	9	1.2	18.5	80	60	48	97F7921	11.55
WDU9-2300	9	2.3	33	85	68	55	96M9192	26.95
WDU12-100	9	0.1	2.8	60	43	39	97F7922	6.09
WDU12-300	12	0.3	6.5	70	50	41	79K0043	6.50
WDU12-600	12	0.6	12.5	80	60	48	18M9750	8.31
WDU12-1200	12	1.2	23.5	80	60	48	96M9178	12.69
WDU12-1900	12	1.9	33	85	68	55	96M9179	24.26
WDU15-200	12	0.2	5	60	43	39	97F7925	6.87
WDU15-600	15	0.6	15	80	60	48	97F7926	9.63
WDU15-1000	15	1	24	80	60	48	18M9751	12.35
WDU15-1700	15	1.7	37	85	68	55	96M9180	26.99
WDU18-200	18	0.2	6.5	70	50	41	96M9183	7.71
WDU18-300	18	0.3	9	70	50	41	96M9184	7.77
WDU18-600	18	0.6	17	80	60	48	79K0047	9.05
WDU18-1000	18	1	27.5	80	60	48	97F7931	13.28
WDU18-1400	18	1.4	34	85	68	55	96M9182	26.13
WDU24-200	24	0.2	9	60	43	39	96M9186	7.31
WDU24-300	24	0.3	11.8	70	50	41	96M9187	8.34
WDU24-500	24	0.5	18	80	60	48	96M9188	10.65
WDU24-800	24	0.8	28.5	80	60	48	23M2737	18.38
WDU24-1200	24	1.2	38	85	68	55	96M9185	26.82

AC/AC UNREGULATED MODELS

WAU12-200	12	0.2	2.4	60	43	39	96M0298	5.55
WAU12-500	12	0.5	6	70	50	41	96M0301	8.07
WAU12-1000	12	1	12	70	50	41	96M0296	8.89
WAU12-1500	12	1.5	18	80	60	48	96M0297	12.23
WAU12-2000	12	2	24	80	60	48	96M0299	13.21
WAU12-2500	12	2.5	30	85	68	55	96M0300	17.39
WAU16-400	16	0.4	6.4	70	50	41	96M0303	8.13
WAU16-500	16	0.5	8	80	60	48	96M0304	8.28
WAU16-1000	16	1	16	80	60	48	63M5191	11.91
WAU16-2400	16	2.4	38.4	85	68	55	96M0302	20.08
WAU20-200	16	0.2	4	70	50	41	96M0305	6.70
WAU20-500	20	0.5	10	80	60	48	96M0307	8.64
WAU20-2000	20	0.5	40	85	68	55	96M0306	28.06
WAU24-200	24	0.2	4.8	70	50	41	96M0310	6.70
WAU24-450	24	0.45	10.8	70	50	41	96M0311	8.82
WAU24-750	24	0.75	18	80	60	48	96M0312	11.95
WAU24-1000	24	1	24	80	60	48	96M0308	13.21
WAU24-1800	24	1.8	43.2	85	68	55	96M0309	31.74

(113745)

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(148843)

EXTERNAL POWER SUPPLIES

AEL SERIES COMPACT 15/20/40/80 WATT EXTERNAL POWER SUPPLIES

NEW TECHNOLOGY



Efficiency Level IV

- CEC 2008 and EISA compliant
- China Compulsory Certification (CCC) qualified
- Output voltages from 5-48VDC
- Compact design
- High efficiency



AEL15/20/40/80 series compact desktop power supplies include over voltage, over load and short circuit protection. Output connector is 0.22" outer diameter barrel, 0.10" inner diameter barrel with center positive (+) and outer shell negative (-). Length is 0.433", except AEL80 series output connector is 5 pin 180° DIN. Output cable length is approximately 48". UL listed, CE compliant, TUV approved.

SPECIFICATIONS:

Input Voltage:	90-264VAC
Input Frequency:	47-63Hz
Standby Power Consumption:	Typically 0.3W, Max. 0.5W
Ripple & Noise:	1% pk-pk max, 20 MHz BW
Efficiency:	85% Typical
Operating Temperature:	0° to +70°C, derate from 100% power @ +40°C to 50% power @ +70°C
EMC:	EN55022, FCC Part-15C Level B conducted and radiated
Safety Approvals:	EN60950-1:2001, UL/cUL listed 60950-1, CE Compliant

AEL15 SERIES, 15W OUTPUT POWER — DIMENSIONS: 1.42H x 1.50W x 3.58"D, WEIGHT: 0.36 LBS.

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Output Power Max (W)	Total Regulation %**	Stock No.	Price Each 1-4
● AEL15US03	3.3	2.5	8	7	12P6956	27.00
● AEL15US05	5	2.4	12	7	12P6957	27.00
● AEL15US08	8	1.87	15	5	12P6958	27.00
● AEL15US09	9	1.66	15	5	12P6959	27.00
● AEL15US12	12	1.25	15	5	12P6960	27.00
● AEL15US15	15	1	15	5	12P6961	27.00
● AEL15US18	18	0.83	15	5	12P6962	27.00
● AEL15US24	24	0.62	15	5	12P6963	27.00
● AEL15US30	30	0.5	15	5	12P6964	27.00
● AEL15US36	36	0.42	15	3	12P6965	27.00
● AEL15US48	48	0.31	15	3	12P6966	27.00

AEL20* SERIES, 20W OUTPUT POWER — DIMENSIONS: 1.22H x 1.65W x 3.90"D, WEIGHT: 0.37 LBS.

● AEL20US05*	5	3	15	5	77M9134	37.00
● AEL20US12*	12	1.67	20	4	77M9135	37.00
● AEL20US15*	15	1.33	20	4	77M9136	37.00
● AEL20US24*	24	0.83	20	3	77M9137	37.00
● AEL20US30*	30	0.67	20	3	77M9138	37.00
● AEL20US48*	48	0.42	20	3	77M9139	37.00

AEL40 SERIES, 40W OUTPUT POWER — DIMENSIONS: 1.36H x 2.05W x 4.65"D, WEIGHT: 0.70 LBS.

● AEL40US05	5	5	25	7	77M9140	46.00
● AEL40US09	9	4.44	35	5	77M9141	46.00
● AEL40US12	12	3.33	40	5	77M9142	46.00
● AEL40US18	18	2.22	40	5	77M9143	46.00
● AEL40US24	24	1.67	40	3	77M9144	46.00
● AEL40US36	36	1.11	40	3	77M9145	46.00
● AEL40US48	48	0.83	40	3	77M9146	46.00

AEL80 SERIES, 80W OUTPUT POWER — DIMENSIONS: 1.69H x 2.99W x 45.75"D, WEIGHT: 1.5 LBS.

● AEL80US12	12	6.66	80	5	12P6967	85.00
● AEL80US15	15	5.38	80	5	12P6968	85.00
● AEL80US18	18	4.44	80	5	12P6969	85.00
● AEL80US24	24	3.33	80	5	12P6970	85.00
● AEL80US30	30	2.66	80	5	12P6971	85.00
● AEL80US36	36	2.22	80	5	12P6972	85.00
● AEL80US48	48	1.66	80	5	12P6973	85.00

*Class II insulation version available on AEL20 models only; go online or call

**Total regulation includes initial set accuracy, line regulation, load regulation and temperature coefficient (106439)

New products added weekly

See the newest products, technologies and suppliers on our website.

(148886)

AEB SERIES 36/45/70/100 WATT COMPACT EXTERNAL POWER SUPPLIES

NEW TECHNOLOGY



- CEC 2008 and EISA compliant
- China Compulsory Certification (CCC) qualified
- Low-profile, compact design
- Single outputs from 5V to 48V
- Universal input
- High-power density
- 3 year warranty



AEB series compact external power supplies include over voltage, over load and short circuit protection. Output connector is 5.5mm dia. outer barrel, inner dia. is 2.5mm with a center positive (+) and outer shell negative (-) polarity.

SPECIFICATIONS:

Mfg. Part No.	AEB36	AEB45	AEB70	AEB100
Input Voltage:	90-264VAC			
Input Frequency:	47-63Hz			
Line Regulation:	±1%			
Ripple & Noise:	1% pk-pk max, 20 MHz BW (see note**)			
Efficiency:	85% minimum @ 230VAC and 100% load			
Operating Temperature:	0°C to +60°C derate linearly from 100% load at +40°C to 60% load at +60°C			0°C to +60°C derate linearly from 100% load at +40°C to 50% load at +60°C
EMC:	EN55022, Level B conducted and radiated			

36W OUTPUT POWER — DIMENSIONS: 0.79H x 1.97W x 4.33"D

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Output Power Max (W)	Load Regulation %*	Stock No.	Price 1-4
● AEB36US05	5	4	20	±6	12P6941	32.00
● AEB36US09	9	3	27	±5	12P6942	32.00
● AEB36US12	12	2.5	30	±5	12P6943	32.00
● AEB36US13	13.5	2.4	32	±5	12P6944	32.00
● AEB36US15	15	2.4	36	±3	12P6945	32.00
● AEB36US18	18	2	36	±2	12P6946	32.00
● AEB36US24	24	1.5	36	±2	12P6948	32.00
● AEB36US48	48	0.75	36	±2	12P6949	32.00

45W OUTPUT POWER — DIMENSIONS: 1.22H x 2.05W x 4.72"D

● AEB45US12	12	3.75	45	±3	12P6950	38.00
● AEB45US15	15	3	45	±3	12P6951	38.00
● AEB45US18	18	2.5	45	±2	12P6952	38.00
● AEB45US19	19	2.37	45	±2	12P6953	38.00
● AEB45US24	24	1.88	45	±2	12P6954	38.00
● AEB45US48	48	1	45	±2	12P6955	38.00

70W OUTPUT POWER — DIMENSIONS: 1.20H x 2.28W x 5.20"D

● AEB70US12	12	5.5	66	±5	77M9128	52.00
● AEB70US15	15	4.6	69	±3	77M9129	52.00
● AEB70US18	18	3.9	70	±2	77M9130	52.00
● AEB70US19	19	3.7	72	±2	77M9131	52.00
● AEB70US24	24	3	72	±2	77M9132	52.00
● AEB70US48	48	1.5	72	±2	77M9133	52.00

100W OUTPUT POWER — DIMENSIONS: 1.38H x 2.76W x 5.90"D

● AEB100PS12	12	8.34	100	±4	11R6440	88.00
● AEB100PS125	12.5	8	100	±4	11R6441	88.00
● AEB100PS15	15	6.67	100	±4	11R6442	88.00
● AEB100PS24	24	4.17	100	±2	11R6443	88.00
● AEB100PS48	48	2.08	100	±2	11R6444	88.00

*Load regulation is measured from 60% to full load and from 60% to 20% load (60% ±40% full load)
 **Measured at the output connector with a 0.1 µF ceramic capacitor and a 10 µF electrolytic capacitor. (106502)

PDM SERIES 30 WATT MEDICAL EXTERNAL POWER SUPPLIES

Just Added



Efficiency Level IV

- Energy Star, EISA and CEC 2008 compliant ≥9V
- Worldwide medical approvals
- 4000 VAC isolation
- Class II construction
- Single outputs from 5V to 24V
- High efficiency
- Operation to +60°C



PDM30 series desktop power supplies include over voltage, over load and short circuit protection. Output connector is right angle jack 0.22 x 0.08 x 0.47" (5.5 x 2.1 x 12.0mm), center positive. Output cable length is approximately 48".

SPECIFICATIONS:

Input Voltage:	90-264VAC
Input Frequency:	47-63Hz

➔ CONTINUED ➔

EXTERNAL POWER SUPPLIES

PDM SERIES 30 WATT MEDICAL EXTERNAL POWER SUPPLIES (CONT.)

SPECIFICATIONS:	
Initial Set Accuracy:	±2% set at 60% load
Ripple & Noise:	1% max, 20 MHz BW (see note *)
Efficiency:	82% Typical
Operating Temperature:	0°C to +60°C, derate from 100% load at +40°C to 60% load at +60°C for 5, 9 and 12V models. Derate from 100% load at +50°C to 80% load at +60°C for 15, 18 and 24V models
EMC:	EN55011 Level B conducted & radiated
Safety Approvals:	UL60601-1, EN60601-1, IEC60601-1, CE Mark

PDM30 SERIES, 30W OUTPUT POWER — DIMENSIONS: 1.18H x 1.96W x 4.33"D, WEIGHT: 0.46 LBS.

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Output Power Max (W)	Regulation		Stock No.	Price Each 1-4
				Line (%)†	Load (%)††		
● PDM30US05	5	4	20	±1	±6	53M4619	44.00
● PDM30US09	9	3	27	±1	±4	12P6988	44.00
● PDM30US12	12	2.5	30	±1	±3	12P6989	44.00
● PDM30US15	15	2	30	±1	±3	12P6990	44.00
● PDM30US18	18	1.65	29.7	±1	±2	12P6991	44.00
● PDM30US24	24	1.25	30	±1	±2	12P6992	44.00

* Add a 0.1 µF ceramic capacitor and a 10 µF electrolytic capacitor to output for ripple and noise measuring at 20 MHz bandwidth.

† Line regulation is measured from 100 VAC to 240 VAC with full load.

†† Load regulation is measured from 20% to 100% full load (60% ±40% full load) (136004)

PCM SERIES: 50 / 80 / 120 WATT MEDICAL EXTERNAL SINGLE AND MULTIPLE OUTPUT POWER SUPPLIES



PCM50

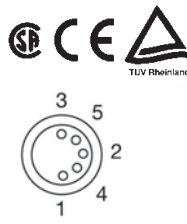


Fig. 1

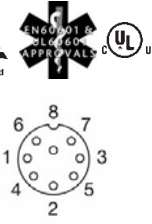


Fig. 2

- 4000VAC isolation
- Low leakage current
- UL60601 and EN60601 approvals

- Both line and neutral fused
- Active power factor correction (except PCM50)

CONNECTOR PIN-OUT SPECIFICATIONS (NOTE: CONNECTOR SHELL IS GROUND)

Pin	PCM50 (Fig. 1)			PCM80 (Fig. 2)			PCM120 (Fig. 2)
	Single	Dual	Triple	Single	Dual	Triple	
1	Common	Common	Common	Common	Common	Common	Common
2	Common	Common	Common	Common	Output 2	Output 3	Common
3	Output	Output 1	Output 1	Output	Output 1	Output 1	Output
4	Common	Output 2	Output 3	Common	Output 2	Output 2	Common
5	Output	Output 2	Output 2	Output	Output 1	Output 2	Output
6	...	...	...	Common	Common	Common	Common
7	...	...	...	Output	Output 1	Output 1	Output
8	...	...	...	Output	Common	Output 3	Output

SPECIFICATIONS:		PCM50	PCM80	PCM120
Output Power up to:		50W	80W	120W
Input Voltage:		90-264VAC, IEC 320 receptacle		
Input Frequency:		47-63Hz		
Leakage Current:		180µA ± max at 132VAC/60Hz 300µA max at 264VAC/50Hz		
Line Regulation:		±1% pk-pk		
Load Regulation:		±5%		
Ripple & Noise:		2% (20MHz BW)		
Efficiency:		75-80% typical		
EMC:		EN55011 level B conducted and radiated		

DIMENSIONS: 1.69 x 2.99 x 5.75" (H x W x D),

Mfg. Part No.	Power Rating (W)	Output 1		Output 2		Output 3		Stock No.	Price Each 1-4
		(V)	(A)	(V)	(A)	(V)	(A)		
● PCM50US05	40	5	8	...	...	...	...	72K9049	76.00
● PCM50US09	45	9	5	...	...	...	...	72K9050	76.00
● PCM50US12	45	12	3.75	...	...	...	...	84K0223	76.00
● PCM50US15	45	15	3	...	...	...	...	72K9051	76.00
● PCM50US18	50	18	2.77	...	...	...	...	72K9052	76.00
● PCM50US24	50	24	2.08	...	...	...	...	72K9053	76.00
● PCM50US28	50	28	1.78	...	...	...	...	72K9054	76.00
● PCM50US48	50	48	1.04	...	...	...	...	72K9055	76.00
● PCM50UT04	42	5	5	12	2	-12	0.80	71J0171	86.00
● PCM50UT05	42	5	5	15	2	-15	0.80	72K9056	86.00

▶ CONTINUED ▶

PCM SERIES: 50 / 80 / 120 WATT MEDICAL EXTERNAL SINGLE AND MULTIPLE OUTPUT POWER SUPPLIES (CONT.)

DIMENSIONS: 1.97 x 3.07 x 6.63" (H x W x D)

Mfg. Part No.	Power Rating (W)	Output 1		Output 2		Output 3		Stock No.	Price Each 1-4
		(V)	(A)	(V)	(A)	(V)	(A)		
● PCM80PS05	65	5	13	...	...	...	...	72K9057	125.00
● PCM80PS09	75	9	8.3	...	...	...	...	72K9058	125.00
● PCM80PS12	80	12	6.7	...	...	...	...	72K9059	125.00
● PCM80PS15	80	15	5.3	...	...	...	...	72K9060	125.00
● PCM80PS18	80	18	4.4	...	...	...	...	72K9061	125.00
● PCM80PS24	80	24	3.3	...	...	...	...	72K9062	125.00
● PCM80PS27	80	27	3	...	...	...	...	78K8922	125.00
● PCM80PS48	80	48	1.7	...	...	...	...	72K9063	125.00
● PCM80PT04	60	5	6	12	2.1	-12	0.5	72K9064	134.00
● PCM80PT05	65	5	6	15	2.1	-15	0.5	71J0182	134.00

DIMENSIONS: 1.85 x 3.74 x 7.08" (H x W x D)

● PCM120PS12	108	12	9	...	...	...	...	51M8935	145.00
● PCM120PS15	113	15	7.5	...	...	...	...	71J0159	145.00
● PCM120PS18	120	18	6.5	...	...	...	...	71J0160	145.00
● PCM120PS24	120	24	5	...	...	...	...	51M8936	145.00
● PCM120PS48	120	48	2.5	...	...	...	...	71J0162	145.00

(83625)

VEH SERIES 60 WATT EXTERNAL POWER SUPPLIES

Just Added



- Energy Star Level V, >= 15W
- CEC 2008 and EISA 2007 compliant
- China Compulsory Certification (CCC) qualified
- Single outputs from 12V to 24V
- Universal input
- No load input power <0.5W
- High power density



VEH series compact desktop power supplies include over voltage, over load and short circuit protection. Output connector is 5.5mm diameter outer barrel, inner diameter is 2.5mm barrel with center positive (+) and outer shell negative (-) polarity. UL listed, CE compliant. Wt. 0.76 lbs. Optional output connectors available; go online or call.

SPECIFICATIONS	
Input Voltage:	90-264VAC
Input Frequency:	47-63Hz
Load Regulation:	±5% max.
Ripple & Noise:	200mv pk-pk max, 20MHz BW (see note †)
Operating Temperature:	0 °C to +60 °C derate linearly from 100% load at +40 °C to 50% load at +60 °C
EMC:	EN55022, Level B conducted and radiated

DIMENSIONS (L x W x H): 4.61 x 2.09 x 1.18"

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Output Power (W)	Overvoltage Protection** (V)	Efficiency (%)†	Stock No.	Price 1-4
● VEH60US12	12	5	60	16	85	04R9681	34.00
● VEH60US15	15	4	60	18	87	04R9682	34.00
● VEH60US24	24	2.5	60	30	87	04R9683	34.00

†Measured at the output connector with a 0.1µF ceramic capacitor and a 10µF electrolytic capacitor

*All dimensions are shown in inches (mm). Tolerance is 0.04" (±1.0) max except output lead

**Typical values

††Efficiency given is the average of efficiencies measured with output loads of 25%, 50%, 75% and 100% (148719)

AML120/150 SERIES 120/150 WATT EXTERNAL POWER SUPPLIES

Just Added



- Energy Star, CEC 2008 and EISA 2007 compliant
- High power density
- Universal input
- High efficiency
- Extended operating temperature
- International safety approvals
- 3 year warranty



SPECIFICATIONS		AML120	AML150
Input Voltage:		90-264VAC	
Input Frequency:		47-63Hz	
Line Regulation:		± 0.5% maximum	
Total Regulation:		±5%	
Ripple & Noise:		2% max. pk-pk (20MHz BW)	
Efficiency:		86% typical, 80% min. for 12V and 15V models	88% min. at 110VAC or 240VAC

▶ CONTINUED ▶

EXTERNAL POWER SUPPLIES • LINEAR POWER SUPPLIES

AML120/150 SERIES 120/150 WATT EXTERNAL POWER SUPPLIES (CONT.)

SPECIFICATIONS		
Operating Temperature:	0°C to +70°C, derate from 100% power at +50°C to 60% power at +70°C	0°C to +70°C, derate from 100% power at +40°C to 60% power at +70°C
EMC:	EN55022/FCC/VCCI, Class B conducted and radiated	

DIMENSIONS: 1.46 x 2.56 x 6.58" (H x W x D)

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Stock No.	Price Each
				1-4
● AML120PS12	12	8	06M3719	95.00
● AML120PS15*	15	7	04R8281	95.00
● AML120PS18*+	18	6.67	04R8282	95.00
● AML120PS19*+	19	6.32	70K8503	95.00
● AML120PS24*+	24	5	04R8283	95.00
● AML120PS36*+	36	3.34	04R8284	95.00
● AML120PS48*+	48	2.5	04R8285	95.00

DIMENSIONS: 1.57 x 2.83 x 6.73" (H x W x D)

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Stock No.	Price Each
				1-4
● AML150PS12	12	12.5	87K6759	120.00
● AML150PS15	15	10	87K6760	120.00
● AML150PS19	19	7.89	87K6761	120.00
● AML150PS20	20	7.5	87K6762	120.00
● AML150PS24	24	6.25	87K6763	120.00

*CEC 2008 and EISA 2007 compliant
+Energy Star compliant
(88696)

AMM120 AND AMM150 SERIES 120/150 WATT MEDICAL EXTERNAL POWER SUPPLIES

Just Added



Efficiency Level IV



AMM120



AMM150

- Energy Star, EISA and CEC 2008 compliant
- Worldwide medical approvals
- Output voltages from 12V to 48V
- Small size/High power density

- Class I and Class II versions on 120W models
- Operating temperature up to +60 °C
- High efficiency

AMM120 and AMM150 series compact medical desktop power supplies include over voltage, over load, over temperature and short circuit protection. Output cable length is approximately 48". For class II versions, add -C2 on AMM120 series models. See datasheet for output connector details.

SPECIFICATIONS:	
Input Voltage:	90-264VAC
Input Frequency:	47-63Hz
Line Regulation:	0.5% max.
Ripple & Noise:	2% max pk-pk (see note *)
Efficiency:	85% Typical
Operating Temperature:	0 °C to +60 °C, derate from 100% power at +40 °C to 50% power at +60 °C
EMC:	EN55011/FCC/VCCI, Class B conducted and radiated
Safety Approvals:	EN60601-1, UL60601-1, CSA22.2 No. 601-1 per cUL, CE Mark

AMM120 SERIES, 120W OUTPUT POWER — DIMENSIONS: 1.72H x 3.00W x 6.30"D, WEIGHT: 1.72 LBS.

Mfg. Part No.	Output Voltage (V)	Output Current (A)	Output Power Max (W)	Total Regulation %**	Stock No.	Price Each
						1-4
● AMM120PS12	12	8	96	5	88M3065	143.00
● AMM120PS15	15	7	105	5	12P6974	143.00
● AMM120PS18	18	6.67	120	5	12P6975	143.00
● AMM120PS19	19	6.32	120	5	12P6976	143.00
● AMM120PS20	20	6	120	5	12P6977	143.00
● AMM120PS24	24	5	120	5	12P6978	143.00
● AMM120PS30	30	4	120	5	12P6979	143.00
● AMM120PS36	36	3.34	120	5	12P6980	143.00
● AMM120PS48	48	2.5	120	5	12P6981	143.00

➤ CONTINUED ➤

AMM120 AND AMM150 SERIES 120/150 WATT MEDICAL EXTERNAL POWER SUPPLIES (CONT.)

AMM150 SERIES, 150W OUTPUT POWER — DIMENSIONS: 1.96H x 3.23W x 8.17"D, WEIGHT: 2.16 LBS.

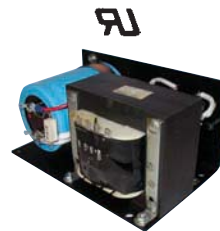
Mfg. Part No.	Output Voltage (V)	Output Current (A)	Output Power Max (W)	Total Regulation %**	Stock No.	Price Each
						1-4
● AMM150PS12	12	11	132	5	12P6982	170.00
● AMM150PS15	15	9.6	144	5	12P6983	170.00
● AMM150PS19	19	7.9	150	5	12P6984	170.00
● AMM150PS24	24	6.25	150	5	12P6985	170.00
● AMM150PS27	27	5.56	150	5	12P6986	170.00
● AMM150PS48	48	3.13	150	5	12P6987	170.00

* Ripple and noise measured at 20 MHz bandwidth with a 10 µF tantalum and 0.1 µF ceramic cap connected at the measurement point

** Total regulation includes initial set accuracy, line and load regulation
(136003)

LINEAR UNREGULATED POWER SUPPLIES

- Motor Drives, Lamps, Relays, Actuators
- Servo-Controls and Steppers
- Electrostatically-Shielded Transformer
- Isolated Outputs for Positive or Negative Operation
- Full Rated Output from 0°-55°C
- Input/Output Isolation, 100 Megohms DC, 1500VAC



E Elpac Power Systems.

Mfg. Part No.	VDC	Amps	H x W x L	Stock No.	Price Each
					1-4
BFS-200-12	12	15.0	3.87 x 5.00 x 8.10"	02F1209	215.60
BFS500-24	24	20.0	4.62 x 5.62 x 9.00"	81F9443	276.54

(3111)

H SERIES LINEAR POWER SUPPLIES (15-115W)


TDK-Lambda
Innovating Reliable Power

- Industry Standard Package Sizes
- Low Output Ripple
- 2-Year Warranty



AC input: 100/120/200/230/240VAC, 47-63Hz (derate 10% for 50Hz operation). UL listed, CSA certified, CE compliant.

SINGLE OUTPUT

Mfg. Part No.	Output Voltage (V)	Power (W)	Max Current (A)	Stock No.	Price Each
					1-9
● HSD-5-12-OVP	5	60	12	71K5050	89.00
● HSB-12-1.7	12	20.4	1.7	14M5851	35.00
● HSC-12-3.4	12	40.8	3.4	14M5855	52.00
● HSN-12-5.1	12	61.2	5.1	71K5070	73.00
● HSB-15-1.5	15	22.5	1.5	14M5852	35.00
● HSC-15-3	15	45	3	14M5856	52.00
● HSN-15-4.5	15	67.5	4.5	71K5071	73.00
● HSB-24-1.2	24	28.8	1.2	14M5853	35.00
● HSC-24-2.4	24	57.6	2.4	14M5857	52.00
● HSN-24-3.6	24	86.4	3.6	73K1953	73.00
● HSD-24-4.8	24	115.2	4.8	71K5048	84.00
● HSN-28-3.0	28	84	3	71K5072	73.00
● HSB-28-1.0	28	28	1	14M5854	35.00
● HSC-28-2.0	28	56	2	14M5858	52.00
● HSD-28-4.0	28	112	4	71K5049	84.00

DUAL OUTLET

Mfg. Part No.	Output Voltage (V)	Power (W)	Max Current (A)	Stock No.	Price Each
					1-9
● HDB-12-15	+12/-15	24	+1.0/0.8	48F6520	58.00

(49575)



Current Order Status & History

Check the status of your current order or access past orders from our website under MY ACCOUNT eSuite. Log in or register today.

(148881)

LINEAR POWER SUPPLIES

SILVER LINE LINEAR POWER SUPPLIES



- Screw Terminal Connections
- Input Voltage: 100/120/220/230/240VAC
- Input Frequency: 47-63Hz
- Line and Load Regulation Combined 0.1%
- Ripple 3.0mV Maximum Peak-to-Peak
- Automatic Current Limiting
- DC Output Adjustable 10% Minimum
- Temperature Range: 0°C to +50°C
- Optional Cover Kits Available for Additional Safety
- 2-Year Warranty



Screw Terminal Connections Save Installation Time

Silver Line Linears now available up to 288 watts. Feature industry standard footprints with the added convenience of screw terminal for AC input and DC outputs. Used in process control circuits, instrumentation, drives, CNC machinery and microprocessor circuits. Built-in over voltage protection, which provides both transient and power supply malfunction protection, is standard on 5 volt models and optional for other models (order separately below). Covers sold separately; go online or call. When covers are used, derate the power supply by 15% of its rated value.

SINGLE OUTPUT SERIES POWER SUPPLIES

Mfg. Part No.	Output 1	Output 2	Output 3	Dimensions (in.)			Stock No.	Price Each
				H	W	D		
● SLS-05-030-1T	5V/3.0A	N/A	N/A	2.07	4.84	3.99	48F3005	54.67
● SLS-05-060-1T	5V/6.0A	N/A	N/A	2.95	5.62	4.87	93K6594	81.43
● SLS-12-017T	12V/1.7A*	N/A	N/A	2.07	4.84	3.99	93K6597	54.67
● SLS-12-034T	12V/3.4A*	N/A	N/A	2.95	5.62	4.87	93K6598	77.94
● SLS-12-051T	12V/5.1A	N/A	N/A	3.30	7.00	4.87	93K6599	112.84
● SLS-12-068T	12V/6.8A	N/A	N/A	3.30	9.00	4.87	93K6600	125.64
● SLS-15-045T	15V/4.5A	N/A	N/A	3.30	7.00	4.87	93K6601	112.84
● SLS-15-060T	15V/6.0A	N/A	N/A	3.30	9.00	4.87	93K6602	125.64
● SLS-24-012T	24V/1.2A	N/A	N/A	2.07	4.84	3.99	93K6603	54.67
● SLS-24-024T	24V/2.4A	N/A	N/A	2.95	5.62	4.87	93K6604	77.94
● SLS-24-036T	24V/3.6A	N/A	N/A	3.30	7.00	4.87	93K6605	112.84
● SLS-24-048T	24V/4.8A	N/A	N/A	3.30	9.00	4.87	93K6606	150.06
● SLS-24-072T	24V/7.2A	N/A	N/A	3.76	4.88	13.87	93K6607	165.19
● SLS-24-120T	24V/12.0A	N/A	N/A	4.00	4.88	16.85	93K6608	224.50

DUAL OUTPUT SERIES POWER SUPPLIES

● SLD12-1010-12T	+12V/1.0A*	-12V/1.0A*	N/A	1.62	6.50	4.00	93K6590	65.15
● SLD12-1818-12T	+12V/1.8A*	-12V/1.8A*	N/A	2.50	7.00	4.87	93K6591	91.89
● SLD-12-3434-12T	+12V/3.4A	-12V/3.4A	N/A	2.75	9.00	4.87	93K6589	127.96
● SLD15-3030-15T	+15V/3.0A	-15V/3.0A	N/A	2.75	9.00	4.87	93K6593	127.96
● SLD12-6034-05T	+5V/6.0A	+12V/3.4A	N/A	2.75	9.00	4.87	93K6592	136.11
● SLD-12-3015-05T	+5V/3.0A	+12V/1.5A	N/A	2.50	7.00	4.87	93K6588	95.44

TRIPLE OUTPUT SERIES POWER SUPPLIES

● SLT12-31010-12T	+5V/3.0A	+12V/1.0A*	-12V/1.0A*	2.50	10.25	4.00	93K6610	109.35
● SLT12-61818-12T	+5V/6.0A	+12V/1.8A*	-12V/1.8A*	2.75	11.00	4.87	93K6612	146.57
● SLT12-20404-12T	+5V/2.0A	+12V/0.4A*	+12V/0.4A*	1.62	6.50	4.00	93K6609	82.59

* Adjustable to 15 volts.

OVERVOLTAGE PROTECTION KIT

Mfg. Part No.	Description	Dimensions (in.)			Stock No.	Price Each
		H	W	D		
● SLO12-000-1	6.2V-34V/12A Intermittent; 8A continuous (Not for Use With Covers)	0.56	1.55	1.50	93K6616	15.05
● SLO-12-000-TB	Overvoltage Kit for Units w/Covers	...	...	...	93K6614	15.07

COVER OPTIONS

Mfg. Part No.	Description	Stock No.	Price Each
● SLCASA-CVR	Cover for SLS-05-03-1T; 12-017T; 24-012T	48F3021	24.79
● SLCASB-CVR	Cover for SLS-05-060-1T; 12-034T; or 24-024T	48F3022	24.79
● SLCASC-CVR	Cover for SLS-05-090-1T; 12-057T; or 15-045T; -24-036T	48F3023	24.79
● SLCASI-CVR	Cover for SLS-05-120-1T; 12-068T; -15-060T; -24-048T	48F3026	24.79
● SLCASK-CVR	Cover for SLS-24-72T	99B2524	25.97
● SL-CASL-CVR	Cover for SLS-24-120T	14C4035	25.97

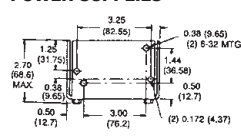
Note: Covers are sold separately. When covers are used, derate the power supply by 15% of its rated value.
(3105)

TechCast® Product Training

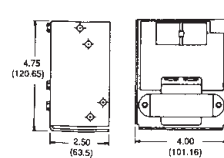
Use the library of online training modules located on our homepage under Useful Tools, with specific guidance for complex solutions.

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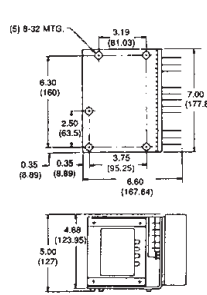
SINGLE-OUTPUT, REGULATED LINEAR POWER SUPPLIES



Case B



Case C



Case D

- Remote Sense
- Constant Voltage
- Short Circuit Proof; Automatic Foldback
- Current Limiting, Automatic Reset
- Isolated, Floating Output
- Low Noise and Ripple <0.1%
- 100% Burn-In
- 1-Year Warranty
- UL Recognized, CSA Certified



Precise integrated circuit regulators with superior drift characteristics. Used in microprocessor circuits, instrumentation, process controls and other applications. Completely protected short-circuit proof, automatic foldback. Input: 104-127VAC, 208-254VAC. Input frequency: 50-60Hz. Periodic deviations: 10mv rms. Output voltage adjustment: $\pm 5\%$ minimum. Operating temperature: 0°C to 55°C. Input/output isolation: 1000 MEGA Ω DC/2500VAC.

15-WATT MODELS

Mfg. Part No.	Output 1	Dimensions (L x W x H)	Case	Stock No.	Price Each
					1-4
● 83-05-230-3	5V @ 3.0A	4.75 x 4.0 x 2.7"	B	93K6830	84.96

30-WATT MODELS

● 83-12-218-3	12V @ 1.8A	4.75 x 4.0 x 2.7"	B	93K6832	97.66
● 83-24-212-3	24V @ 1.2A	4.75 x 4.0 x 2.7"	B	93K6834	91.16

60-WATT MODELS

● 83-24-225-3	24V @ 2.5A	6.0 x 5.0 x 4.94"	C	93K6835	186.21
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120-WATT MODELS

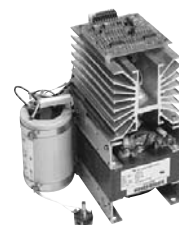
● 83-12-310-3	12V @ 10A	7.0 x 6.6 x 5.0"	D	05F1134	301.34
● 83-24-260-3	24V @ 6A	7.0 x 6.6 x 5.0"	D	93K6836	277.36

(3264)

COPPERLINE HIGH-POWER SINGLE-OUTPUT POWER SUPPLIES



- Full Range Adjustable Output Voltage and Current
- Selectable 120/240VAC, 50/60Hz Input
- Single-Supply for Multiple Applications
- Parallel Operation for Increased Power Output
- Reliable SCR Design
- Reliable Connection Cooled Design



Brute force power supplies provide high-current DC that is continuously adjustable in either 2 to 25 or 5 to 50 volt ranges. Can be set to constant voltage or constant current operation. Can be used as battery charger in the constant current mode. Adjustable damping for inductive loads enable units to drive relays, solenoids and motors. Maximum power efficiency: 75%. Regulation: $\pm 0.1\%$. Input: 105¹³⁰210-260VAC, 47-63Hz. Controls include: current limit adjust (0-100%) output voltage adjust (10-100%).

Mfg. Part No.	Watts	Amps* @ 25VDC (Adj. 2.5-25VDC)	Amps* @ 50VDC (Adj. 5-50VDC)	Wt. (lbs.)	Dimensions			Stock No.	Price Each
					H	L	W		
39-407	300	12A	6A	23	11.0"	6.8"	7.7"	84F1068	1083.67
39-408	600	24A	12A	30	12.0"	6.8"	7.7"	84F1069	1283.07
39-409	1200	48A	24A	73	14.0"	10.0"	11.1"	84F1070	2155.79

*Note: Current listed is the max. current at any voltage in that range.
(3308)

INVERTERS/ALTERNATE POWER SOURCES • POWER INVERTERS

POWERVERTER ULTRA-COMPACT
DC TO AC INVERTERS

PV700HF



PV3000GFCI

- Ideal for powering laptops, small appliances, tools and mobile office equipment
- Rugged all metal housings
- Low battery-voltage alarms/shutdowns
- DC overload protection

Mfg. part nos. PV150 and PV375 include a cigarette lighter plug. Remaining models are user supplied cable installation. Mfg. part no. PV3000GFCI is OSHA compliant.

Mfg. Part No.	Output (Continuous/Peak) (W)	Outlets	Dimensions (in.)			Wt. lbs.	Stock No.	Price Each
			H	W	D			
● PV150	150/300W	1	1.75	3.75	5.75	2	81C9215	41.60
● PV375	375/600W	2	2	4.25	7	2.2	70H8575	66.23
● PV700HF	700/1400W	3	2.76	5	8.17	3.5	52M2280	120.60
● PV1000HF	1000/2000W	4	3.75	6	12.5	5	27C4803	288.00
● PV1800HF	1800/3600W	4	4	6	15	7.25	27C4809	403.20
● PV3000HF	3000/6000W	4	4.1	11.1	14	12.2	65H7563	617.55

POWERVERTER PLUS INVERTER w/ GFCI OUTLETS
Industrial-strength power for heavy-duty applications.

● PV3000GFCI	3000/6000W	4*	4.3	12.5	14.8	12.2	74P0134	855.00
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* GFCI-protected outlets.
(51186)

POWERVERTER® PLUS HIGH-
PERFORMANCE INVERTERS

- High-efficiency operation conserves batteries for longer run times
- Frequency control for operating stability
- Converts DC battery power to 120V, 60Hz AC power
- Automatic overload protection
- Clean, quiet operation



These Powerverter® industrial-strength inverters are ideal for heavy-duty applications such as power tools, pumps, fans, desktop computer systems, portable electronics and battery chargers. Maintain up to 200% of their rated output for short durations, providing adequate power to start large AC motors and handle heavy inductive loads. Two NEMA-rated AC outlets. Diagnostic LEDs offer continuous status on load level and battery charge. Easy connection and mounting with user-supplied cable and hardware. Color: black. Instruction manual included. One-year manufacturer's warranty.

Mfg. Part No.	Input (VDC)	Continuous Output (W)	Peak Output (W)	Dimensions (in.)			Wt. (lbs.)	Stock No.	Price Each
				H	W	D			
● PV1250FC	12	1250	2500	7	8.75	9	23.2	45K1362	402.00
● PV2000FC	12	2000	4000	7.25	8.5	16.25	41	17C6603	650.00
● PV2400FC	24	2400	4800	7.3	8.5	16.5	42	17C6604	768.00

(59070)

APS INVERTERS WITH INTEGRATED BATTERY
CHARGER AND AUTOMATIC SWITCHOVER

Automatically sense and switch AC output between outside power (utility or generator) and battery power when no AC power is available. Ideal for use as mobile power systems or stationary UPS/emergency power supplies. 3-stage battery charger for quicker recharge, plus protection against over-charge and over-discharge to ensure a longer service life from batteries. High-efficiency output is frequency-controlled to support sensitive loads.



Mfg. Part No.	Input	Continuous Output (Watts)	Peak Output (Watts)	Outlets	Shipping Weight (lbs.)	Stock No.	Price Each	
							1-2	
● APS750	12V	750	1500	2	19	97F9171	449.19	
● APS1250	12V	1250	2500	2	25	97F9172	619.85	
● APS2012	12V	2000	4000	Hardwire	44	95B4197	909.65	
● APS2424	24V	2400	4800	Hardwire	42	95B4198	1022.35	

REMOTE MODULE

Provides remote control operation for all listed models. Includes RJ-45 plug, 50-foot cord and same LED meters and power switch as the front panels of the compatible models.

Mfg. Part No.	Stock No.	Price Each
● APSRM4	11J7830	155.75

(50915)

UTILITY/WORK TRUCK
DC TO AC INVERTER/
CHARGERS

Just Added



- OSHA compliant
- Ideal for utility work trucks, conversion vans, fleet service vehicles and more
- Versatile inverter/charger system with auto transfer switching

Input voltage: 12VDC. Utility/Work Truck DC to AC Inverter/Chargers are the quiet alternative to noisy gas generators with no fumes or fuel. They provide equipment with utility or generator-supplied AC electricity filtered through premium ISOBAR® surge protection. This versatile Inverter/Charger includes automatic transfer switching and serves as an automotive inverter for utility work trucks, conversion vans, fleet service vehicles; a standalone power source for off grid, alternative energy or export applications; or as a UPS for equipment compatible with 16.6 ms transfer time. Also includes an APSRM4 remote power module, 20-ft. cable and owner's manual.

Mfg. Part No.	Continuous/ OverPower™ Output** (W)	Double Boost™ Output† (W)	Out- lets*	Dimensions (in.)			Wt. (lbs.)	Stock No.	Price Each
				H	W	D			
UT750UL	750/1125	1500	2	7	8.75	9	20	74P0137	620.15
UT1250UL	1250/1875	2500	2	7	8.75	9	24.8	74P0135	777.15
● UT2012UL	2000/3000	4000	2	7.25	8.5	16.25	45	74P0136	1216.75

* GFCI-protected outlets.

** OverPower™ inverter output feature temporarily provides up to 150% of the continuous output for 1-60 minutes

† DoubleBoost™ inverter output feature delivers up to 200% of continuous output for up to 10 seconds (144704)

XPOWER INVERTERS AND POWER SUPPLIES



DC-AC INVERTERS

XPower 175

Mfg. Part No.	Surge Power (W)	Output Power Cont. (W)	Description	Stock No.	Price Each
813-0075	...	60	XPower Mobile Plug 75	70H0191	34.38
813-0081	160	80	XPower Pocket Inverter 100	36K1572	57.30
851-0175	300	150	XPower 175	70H0260	34.38
851-0400	600	320	XPower 400	34H2752	45.84
851-0700	1000	560	XPower 700	34H2753	91.68
809-2000	5000	2000	RS 2000 Sine Wave Inverter/Charger	36K1570	1449.60
809-3000	7500	3000	RS 3000 Sine Wave Inverter/Charger	36K1571	1812.00

POWER SUPPLIES

Mfg. Part No.	Output Power Cont. (W)	Description	Stock No.	Price Each
802-1500	1350	XPower Powerpack 1500	61H7136	550.08
852-1900	320	Powerpack 400 w/Vehicle Jump Start and Air Compressor	82H8387	171.90
XDL 35-5	105	Programmable DC Supply, 35V, 5A	35K9473	1102.50
XDL 56-4	112	Programmable DC Supply, 56V, 4A	35K9474	854.07
XDL 56-4P	112	Programmable DC Supply, 56V, 4A, Terminals on Rear	35K9475	1462.65

(85046)

DC-TO-AC POWER INVERTERS



PROWATT® series power inverters plug in for instant portable AC power to run laptops, printers, or fax machines. Convert battery power to standard AC power. Provide extra-long battery running time without recharging. Inverters can be plugged into cigarette lighter or any 12-volt battery pack for portable AC power. Compatible with AC adapter/charger found on computers. Surge to power levels far beyond their continuous ratings for short periods of time. Ideal for running loads with high start-up requirements. Internal circuits protect equipment from spikes and voltage fluctuations. Automatically shut down if overloaded or overheated. Order inverter accessory products separately on page 1543.



10-15VDC INPUT

PROWATT 150

Mfg. part No.	Surge	Output Power (Continuous)	L x W x H	Stock No.	Price Each
801-0150	400W	150W	4.7 x 7 x 1.9"	92C2954	40.00
PROWATT 250	500W	225W	6 x 4.5 x 1.5"	01F271	95.00
801-1000	2000W	1000W	10.25 x 9.5 x 3.25"	71C7083	300.00
801-1750	1750W	1500W	4.25 x 2.5 x 3.0"	71C7084	485.00
PROWATT 3000	3000W	2500W	4.25 x 2.5 x 6.25"	91C4467	800.00

➔ CONTINUED ➔

POWER INVERTERS • UPS SYSTEMS

DC-TO-AC POWER INVERTERS (CONT.)

20-30VDC INPUT

Mfg. part No.	Surge	Output Power (Continuous)	L x W x H	Stock No.	Price Each
PROWATT 250/24	500W	225W	6 x 4.5 x 1.5"	01F275	136.00
PROWATT 800/24	1/2hp	800W	10 x 9 x 3"	01F276	630.00
PROWATT 1500/24	3/4hp	1500W	16 x 6 x 3"	01F277	850.00

(12237)

PROSINE™ INVERTERS AND INVERTER/CHARGER


XANTREX
Smart Choice For Power

PROsine™ inverters deliver true sine wave AC output: a clean, reliable electric power, often better than grid power supplied by local electric companies. Feature automatic overload, short circuit, over temperature, reverse polarity fuses and AC backfeed and over/under voltage protection. PROsine 1000s and 1800s dimensions: 4.5H x 11.0W x 15.4"D. Approvals: CE (230V models), CSA NRTL/C (120V models), UL458, UL1741 CSA 107.1, designed to meet KKK-A-1822D.



Mfg. Part No.	Surge	Output Power	Description	Stock No.	Price Each
PROSINE 1000 WITH GFCI AC OUT	1300W	1000W	GFCI AC Outlet	83F6846	890.00
PROSINE 1000 WITH AC HWR & SWI	1300W	1000W	AC Hard Wire and Transfer Switch	83F6848	940.00
PROSINE 1800 WITH GFCI AC OUT	2300W	1800W	GFCI AC Outlet	83F6849	1300.00
806-1852	2300W	1800W	AC Hard Wire and Transfer Switch	83F6851	1480.00

(30872)

CS AND ES SERIES BACK-UPS

Just Added


APC
Legendary Reliability™


CS series



ES series

CS and ES series Back-UPS utilize less power during normal operation and provide enough backup power to work through short and medium length power outages. They also safeguard equipment from damaging surges and spikes that travel along utility, data and phone lines. Most models include CD software, which automatically saves open files and gracefully shuts down the computer during extended outages. Additional features like an audible alarm, LED status indicator, user replaceable battery, push-button circuit breaker and transformer-block spaced outlets make these Back-UPS the perfect units to protect ones productivity from the constant threat of power outages and lost data. Three-year manufacturer's warranty. UL listed, CE compliant, FCC and C-Tick approval.

CS SERIES — BATTERY BACK-UP AND PROTECTION FOR BUSINESS COMPUTERS

Back-UPS CS series desk-top tower units ideally protect business and office computer systems. All models include CD with software, cord management straps, USB cable, and user manual.

Mfg. Part No.	Receptacles	Capacity VA/W	Half/ Full Load (min.)	Dimensions (mm)			Color	Stock No.	Price Each
				H	W	D			
BK350	3 NEMA 5-15R Battery Backup 3 NEMA 5-15R Surge	350/210	18/5	165	91	284	Beige	49H8516	102.06
BK500	3 NEMA 5-15R Battery Backup 3 NEMA 5-15R Surge	500/300	14/2	165	91	284	Beige	49H8517	151.80
● BK500BLK	3 NEMA 5-15R Battery Backup 3 NEMA 5-15R Surge	500/300	15.4/3.4	165	91	284	Black	85H1627	151.80

ES SERIES — BATTERY BACK-UP AND PROTECTION FOR HOME COMPUTERS

Back-UPS ES series desktop units ideally protect home and home office computer systems. All models include CD software and USB cable (except **mfg. part no. BE350G**) and user manual.

Mfg. Part No.	Receptacles	Capacity VA/W	Half/ Full Load (min.)	Dimensions (mm)			Color	Stock No.	Price Each
				H	W	D			
● BE350G	3 NEMA 5-15R Battery Backup 3 NEMA 5-15R Surge	350/200	5.6/0.4	89	159	279	Black	03P0372	61.56
● BE550G	4 NEMA 5-15R Battery Backup 4 NEMA 5-15R Surge	550/330	13.4/3.2	89	179	305	Black	02P6395	81.81

➔ CONTINUED ➔

CS AND ES SERIES BACK-UPS (CONT.)

Mfg. Part No.	Receptacles	Capacity VA/W	Half/ Full Load (min.)	Dimensions (mm)			Color	Stock No.	Price Each
				H	W	D			
● BE650G	4 NEMA 5-15R Battery Backup 4 NEMA 5-15R Surge	650/390	13.1/3.8	89	320	178	Black	79M6287	110.16
BE750G	5 NEMA 5-15R Battery Backup 5 NEMA 5-15R Surge	750/450	11.8/2.5	88	180	343	Black	71M2017	121.50

(75504)

RS SERIES BACK-UPS

Just Added

APC
Legendary Reliability™


BR1500



BR800BLK



BR1500LCD

RS series Back-UPS offer high-performance protection for business and office computer systems. It provides abundant battery backup power, allowing user to work through medium and extended length power outages. It also safeguards equipment from damaging surges and spikes that travel along utility, phone and network lines. Features automatic voltage regulation (AVR) that instantly adjusts both low and high voltages to safe levels, so user can work indefinitely during brownouts and overvoltage situations, saving the battery for power outages when it's needed most. Shutdown software automatically powers down the computer system in the event of an extended power outage. Additional features like audible alarms, LED status indicators, user replaceable battery, push-button circuit breakers and plentiful outlets make the RS series Back-UPS perfect to protect business' productivity from the constant threat of power problems and lost data. **Mfg. part nos. BR1300LCD and BR1500LCD** feature multi-function LCD status and control console. All models includes CD with software, USB cable and user manual. Three-year manufacturer's warranty.

Mfg. Part No.	Receptacles	Capacity VA/W	Half/ Full Load (min.)	Dim. (mm)			Color	Stock No.	Price Each
				H	W	D			
BR900	3 NEMA 5-15R Surge 4 NEMA 5-15R Battery Backup	900/540	18/5	229	102	324	Beige	60K0791	187.71
BR800BLK	3 NEMA 5-15R Surge 4 NEMA 5-15R Battery Backup	800/540	17.3/5.1	229	102	324	Black	52K9011	187.71
BR1200	2 NEMA 5-15R Surge 6 NEMA 5-15R Battery Backup	1200/780	12/3	371	86	333	Beige	66K5806	249.84
BR1300LCD	2 NEMA 5-15R Surge 6 NEMA 5-15R Battery Backup	1300/780	16.4/5.4	222	133	356	Charcoal	39M6864	257.85
BR1500	2 NEMA 5-15R Surge 6 NEMA 5-15R Battery Backup	1500/865	12/4	371	86	333	Beige	66H6351	304.28
BR1500LCD	2 NEMA 5-15R Surge 6 NEMA 5-15R Battery Backup	1500/865	11.7/3.1	222	133	356	Charcoal	39M6865	284.07

(75505)

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(148829)

UPS SYSTEMS

SUA AND SC SERIES
TOWER SMART-UPS®

Just Added

APC®
Legendary Reliability™

SUA3000XL



SC1000

SUA and SC series SMART-UPS® 120V output/input systems are designed for high-powered multi-server applications. Perfect for backup and protection of telcom systems, multiple servers, UNIX, and data storage systems. Two year repair or replace manufacturer's warranty. UL listed, CSA certified.

SUA SERIES MODELS

SUA series Smart-UPSs protect critical data by supplying reliable, network-grade power in either traditional tower or rack-optimized form factors. Perfect for protecting business critical servers, voice and data networks, point of sale, retail/bank back office and ATM's. Features high real-power output (watts), generous runtime, sine wave output, 16-segment LED visual display and intelligent battery management. Most models have DB-9 RS-232, SmartSlot and USB interface ports. All include CD with software, Smart UPS signalling RS-232 and/or USB cable and user manual.

Mfg. Part No.	Receptacles	Cap. VA/W	Half/ Full Load (min.)	Dim. (mm)			Rack U Ht.	Color	Stock No.	Price Each
				H	W	D				
SUA750*	6 NEMA 5-15R	750/500	16/5	157	137	358	...	Black	11J5412	407.58
SUA750XL*	8 NEMA 5-15R	750/600	50/17	216	170	439	...	Black	61H3391	588.20
SUA1000*	8 NEMA 5-15R	1000/670	20/6	216	170	439	...	Black	49H9875	597.13
SUA1000US**	8 NEMA 5-15R	1000/670	20/6	216	170	439	...	Black	85H3736	731.00
SUA1000XL*	8 NEMA 5-15R	1000/800	33/10	216	170	439	...	Black	67H1552	735.25
SUA1500*	8 NEMA 5-15R	1440/980	24/7	216	170	439	...	Black	49H6348	723.35
SUA1500US**	8 NEMA 5-15R	1440/980	24/7	216	170	439	...	Black	85H3741	966.03
SUA2200*	8 NEMA 5-15R 2 NEMA 5-20R	2200/1850	24/7	432	196	546	...	Black	72J5297	1147.50
● SUA2200XL+	8 NEMA 5-15R 2 NEMA 5-20R	2200/1850	29/10	432	196	503	5	Black	39M4053	1494.30
SUA3000*	8 NEMA 5-15R 2 NEMA 5-20R	3000/2700	14/6	432	196	546	...	Black	72J6430	1519.80
SUA3000XL+	8 NEMA 5-15R 2 NEMA 5-20R	3000/2700	17/5	432	196	503	5	Black	33M8076	1776.50

SC SERIES MODELS

SC series Smart-UPS is ideal for small and medium businesses looking to protect basic entry-level servers (with smaller, non-redundant power supplies), networking equipment and point-of-sale (POS) devices from power disturbances and outages. These models feature network grade runtime, hot swap batteries, and built-in data line protection for worry free uninterruptible power protection for increased availability. All models have DB-9 RS-232 interface port; **mfg. part no. SC1000** also has a USB port. All include CD with software, Smart UPS signalling RS-232 cable and user manual.

SC620*	4 NEMA 5-15R	620/390	16/6	168	119	368	...	Gray	57J4970	244.80
SC420*	4 NEMA 5-15R	420/260	14/6	168	119	368	...	Gray	61J3612	161.50
● SC1000++	6 NEMA 5-15R	1000/600	20/7	89	432	463	2	Gray	52K9218	389.30

*Tower; **Tower - NAFTA for U.S.A. Distribution Only; +Tower/Rack Convertible; ++Tower/Rack Mount

REPLACEMENT BATTERY PACK

Mfg. Part No.	Description	Capacity (vAh)	Stock No.	Price 1-5
● SUA48XLBP	48V Battery Pack for Smart-UPS SUA2200XL and SUA3000XL Tower/Rack Convertible Models	1632	41M0424	765.00

(75507)

ACCESSORIES AND
ADD ON CARDS

Just Added

APC®
Legendary Reliability™

- UPS status information presented as six Form C contact closures
- UPS control and testing by contact closure inputs
- Screw terminal connectors for easy integration into various management systems

Relay I/O module is a management product used to control and monitor power through a dry-contact interface. Includes user manual.



Mfg. Part No.	Description	Stock No.	Price 1-5
● AP9610	UPS Dry-Contact Management Relay I/O Smartslot Card	66H9327	263.50

(138328)

SUA AND SU SERIES RACK
MOUNT SMART-UPS®

Just Added

APC®
Legendary Reliability™

SUA1000RM2U, SUA750RM1U

SUA and SU series Smart-UPS® 120V output/input systems provide sensitive rack mount equipment with backup safety and surge protection. Perfect for protecting business critical servers, voice and data networks, point of sale, retail/bank back office and ATM's. Features high real power output (watts), generous runtime, sine wave output, 16-segment LED visual display, and intelligent battery management. All units have an APC SmartSlot, an internal accessory slot that allows installation of optional accessories to enhance performance. Two year repair or replace manufacturer's warranty. UL listed, CSA certified.

SUA SERIES

SUA series models include CD with software, rack mounting hardware, Smart-UPS signalling RS-232 cable, USB cable and user manual.

Mfg. Part No.	Receptacles	Cap. VA/W	Half/ Full Load (min.)	Dim. (mm)			Rack U Ht.	Color	Stock No.	Price Each
				H	W	D				
SUA750RM1U	4 NEMA 5-15R	750/480	24/7	44	432	660	1	Black	67H1556	567.75
SUA750RM2U	6 NEMA 5-15R	750/480	17/6	89	432	457	2	Black	67H1557	506.63
SUA1000RM1U	4 NEMA 5-15R	1000/640	15/5	44	432	660	1	Black	67H1551	734.63
SUA1000RM2U	6 NEMA 5-15R	1000/670	30/9	89	432	457	2	Black	53H7038	676.50
SUA1500RM2U	6 NEMA 5-15R	1500/980	27/7	89	432	457	2	Black	65H4937	818.63
SUA2200RM2U	6 NEMA 5-15R 2 NEMA 5-20R	2200/1980	16/5	89	483	660	2	Black	73H2653	1236.00
SUA3000RM2U	6 NEMA 5-15R 2 NEMA 5-20R	3000/2700	11/3	89	483	660	2	Black	73H2654	1473.00

SU SERIES

SU series model includes CD with software, rack mounting hardware, Smart-UPS signalling RS-232 cable and user manual.

SU1400RMXLB3U	6 NEMA 5-15R	1400/1050	24/7	130	432	394	3	Black	22J3584	898.13
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(75508)

SURT SERIES
SMART-UPS

Just Added

APC®
Legendary Reliability™

SURT1500XL Tower



SURT1500RMXL Rack Mount

SURT series double-conversion online SMART-UPS systems include all of the features of BACK-UPS and are designed for high-powered, multi-server applications. Perfect for backup and protection of telcom systems, multiple servers, UNIX, and data storage systems. DB-9 comm. port. 2 year repair or replace manufacturer's warranty. Double conversion units are well suited for harsh power environments where extremely tight voltage and frequency regulation, internal bypass and input power factor connection are required.

TOWER MODELS

Mfg. Part No.	Output (W)	No. of Output Lines	Input Line	Back-up Time @ Full Load (min.)	Dimensions H x W x D (mm)	Stock No.	Price Each
SURTA1500XL	1050	6 NEMA 5-15R	NEMA 5-15P	9	432 x 85 x 559	42J8601	1343.00
SURTA2000XL	1400	6 NEMA 5-15R	NEMA 5-20P	5	432 x 85 x 559	42J8603	1700.00
● SURT5000XL	3500	4 NEMA L6-20R / L6-30R	NEMA L6-30P	5	432 x 130 x 660	30M1750	3916.50
● SURT6000XL	4200	4 NEMA L6-20R / L6-30R	NEMA L6-30P	5.3	432 x 130 x 660	21M6081	4321.50

RACK MOUNT MODELS

Mfg. Part No.	Output (W)	No. of Output Lines	Interface Port	Rack Ht. (U)	Dimensions H x W x D (mm)	Stock No.	Price Each
SURTA1500RMXL	1050	6 NEMA 5-15R	DB-9 RS-232, SmartSlot, USB	2	85 x 432 x 559	42J8600	1342.50
SURTA2000RMXL	1400	6 NEMA 5-15R	DB-9 RS-232, SmartSlot, USB	2	85 x 432 x 559	42J8602	1657.50

(85044)

UPS SYSTEMS

**POWERWARE® 3105 SERIES
UNINTERRUPTIBLE POWER SUPPLIES**

- Eight outlets in a compact package
- Protection from data lines
- Short term power for mobile applications
- User-replaceable batteries for extended service life
- Easy-to-understand LED's and audible signals
- Remote UPS monitoring from anywhere
- Warranty coverage with load protection guarantee

EAT•N

Powering Business Worldwide



Powerware 3105 series is a compact high-frequency Pulse Width Modulated (PWM) UPS redesigned to provide a more efficient power supply while reducing power consumption. Ready to switch to UPS battery power any time it detects a power problem with normal utility power. **Powerware 3105 series** delivers reliable power quality and backup power for wireless phones, small office PBX or key phone systems, home office workstations, small office desktop servers, small network nodes, point-of-sale systems, and computer peripheral devices.

Mfg. Part No.	Receptacles	Capacity VA/W	Half/Full Load (min.)	Dimensions (in.)			Wt. lbs.	Stock No.	Price Each
				H	W	D			
103004247-5592	(8) 5-15R	500/300	11/3	4.4	11	7	11.2	05N0116	86.79
103004248-5592	(8) 5-15R	700/420	9/3	4.4	11	7	14.3	05N0117	99.97

(114887)

**POWERWARE® 5115 SERIES
UNINTERRUPTIBLE POWER SUPPLIES**

- USB and serial communication ports
- Network transient protector
- ABM technology significantly extends battery service life
- Informative and user friendly interface
- Hot-swappable batteries
- Warranty coverage with load protection guarantee

Powerware 5115 series UPS offers excellent backup power protection and power quality management for PCs, small-office-home-office equipment, NT workstations, and small internet-working devices. Delivering basic surge protection and backup power, **Powerware 5115 series** offers UPS power protection against five of the nine common power quality problems.

EAT•N

Powering Business Worldwide



Mfg. Part No.	Receptacles	Capacity VA/W	Half/Full Load (min.)	Dimensions (in.)			Wt. lbs.	Stock No.	Price Each
				H	W	D			
05146548-5591	(4) 5-15R	500/320	11/5	7.6	5.9	10.6	17.2	48M5557	241.67
05146554-5591	(4) 5-15R	750/500	14/6	7.6	5.9	13.2	27.3	29M9267	350.43
05146560-5591	(6) 5-15R	1000/670	10/5	15.1	5.9	13.2	27.8	75M9037	398.76
05146566-5591	(6) 5-15R	1400/950	14/5	15.1	5.9	15.4	37	47M3324	608.57

(114886)

POWERWARE® 5130 SERIES UPS SYSTEMS

Just Added

EAT•N

Powering Business Worldwide

- Protects equipment from five common power anomalies: failures, surges, sags, under-voltage and over-voltage
- Provides more real wattage in less space with a 0.9 power factor
- Offers the choice of rackmount or tower installation
- Enables prioritized shutdown of non-essential equipment during outages
- Two-year limited factory warranty and a load protection guarantee



5130 series resolves outages, sags, surges, under-voltage and over-voltage conditions and supplies clean, conditioned power to all connected equipment. Maximizes availability with extended battery runtime options, hot-swappable batteries, optional maintenance bypass, remote monitoring and power management software. This UPS is particularly well suited for protecting: IT, networking and telecom equipment.

NORTH AMERICAN RACK/TOWER MODELS: 120V, 50/60 Hz

Mfg. Part No.	Plug/Receptacles	Capacity VA/W	Full Load (min.)	Dimensions (in.)			Wt. lbs.	Stock No.	Price Each
				H	W	D			
PW5130L1250-XL2U	5-15P/ (6) 5-15R	1250/ 1150	5	3.4	17.4	20		50P9296	788.17
PW5130L1750-XL2U	5-15P/ (6) 5-20R	1750/ 1600	3.5	3.4	17.4	20		50P9297	1012.11
PW5130L2500-XL2U	L5-30P/ (1) L5-30R, (6) 5-20R	2500/ 2250	3	3.4	17.4	25		50P9298	1376.81
PW5130L3000-XL2U	L5-30P/ (1) L5-30R, (6) 5-20R	2880/ 2700	3	3.4	17.4	25		50P9299	1766.33
PW5130L3000-XL3U	L6-20P/ (1) L5-30R, (6) 5-20R	2880/ 2700	3	5.1	17.4	19.1		50P9300	1610.95

GLOBAL RACK/TOWER MODELS: 208V, 50/60 Hz

PW5130G3000-XL2U	(2) L6-20R, (1) 6-30R	3000/ 2700	3	3.4	17.4	25		50P9295	1766.33
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➔ CONTINUED ➔

POWERWARE® 5130 SERIES UPS SYSTEMS (CONT.)**EXTENDED BATTERY MODULES**

Mfg. Part No.	Plug/ Recept- acles	Capacity VA/W	Full Load (min.)	Dimensions (in.)			Stock No.	Price Each
				H	W	D		
PW5130N1750-EBM2U	Extended Battery Module for 5130 series 1250 and 1750 VA UPS			50P9301			667.91	
PW5130N3000-EBM2U	Extended Battery Module for 5130 series 2500 and 3000 VA UPS			50P9302			1343.36	
PW5130N3000-EBM3U	Extended Battery Module for 5130 series 2500 and 3000 VA UPS			50P9303			1343.36	

(142155)

POWERWARE® 9130 SERIES UPS SYSTEMS

Just Added

EAT•N

Powering Business Worldwide

- Protects against downtime, data loss and process interruption by providing continuous, clean power
- Cuts energy usage and costs with >95% efficiency rating in high efficiency mode
- Conserves rack space with 2U rackmount form factor that includes internal batteries and a 4-post rail kit
- Provides more real wattage in less space with a 0.9 power factor
- Maximizes runtimes with optional extended battery modules
- Two-year limited factory warranty and a load protection guarantee



9130 series UPS delivers optimal power quality, provides superior power management, resolves utility power protection problems and supplies continuous power conditioning to all connected equipment. Simplifies UPS monitoring and management with a bright LCD user interface, intuitive power management software and optional eNotify Remote Monitoring service. Increases battery service life and system uptime with ABM battery-charging technology and hot-swappable batteries. **9130 series** delivers essential power protection for IT and networking data center equipment, medical systems, manufacturing process control or anywhere critical equipment and applications require clean, continuous power.

NORTH AMERICAN TOWER MODELS: 120V, 50/60 Hz

Mfg. Part No.	Plugs/Receptacles	Capacity VA/W	Full Load (min.)	Dimensions (in.)			Stock No.	Price Each
				H	W	D		
PW9130L700T-XL	5-15P/ (6) 5-15R	700/ 630	>3	9.1	6.3	13.8	51P2916	668.98
PW9130L1000T-XL	5-15P/ (6) 5-15R	1000/ 900	>3	9.1	6.3	15.0	51P2907	869.25
PW9130L1500T-XL	5-15P/ (6) 5-15R	1500/ 1350	>3	9.1	6.3	16.9	51P2909	1126.48

NORTH AMERICAN RACK MODELS: 120V, 50/60 Hz

PW9130L700R-XL2U	5-15P/ (6) 5-15R	700/ 630	>3	3.4	17.2	17.7	51P2915	699.20
PW9130L1000R-XL2U	5-15P/ (6) 5-15R	1000/ 900	>3	3.4	17.2	17.7	51P2906	892.55
PW9130L1500R-XL2U	5-15P/ (6) 5-15R	1500/ 1350	>3	3.4	17.2	17.7	51P2908	1135.11

EXTENDED BATTERY MODULES

Mfg. Part No.	Description	Stock No.	Price Each
PW9130N1000T-EBM	Extended Battery Module for 9130 series 1000 VA Tower UPS	51P2918	483.40
PW9130N1500T-EBM	Extended Battery Module for 9130 series 1500 VA Tower UPS	51P2920	608.56
PW9130N1000R-EBM2U	Extended Battery Module for 9130 series 700 and 1000 VA Rackmount UPS	51P2917	586.98
PW9130N1500R-EBM2U	Extended Battery Module for 9130 series 1500 VA Rackmount UPS	51P2919	580.07

* C14, w/ detachable L6-20P

† C20, w/ detachable L6-20P

(142156)

NOVA AVR UPS SYSTEM**EAT•N**

Powering Business Worldwide

- Line interactive technology
- Wide tolerance to fluctuations in the power supply
- Data line filtering for total protection

NOVA AVR range of UPS units provide the user with cost effective and rugged protection against electrical interference and power outages. NOVA AVR UPS systems are ideal for the protection of 1 to 3 PC's. The NOVA AVR uses 3 indicator lamps to display principal states (on/off, replace batteries, fault), supplemented by audible alarms.



Mfg. Part No.	Receptacles	Capacity VA/W	Runtime Half/Full Load (min.)	Dimensions (in.)			Wt. lbs.	Stock No.	Price Each
				H	W	D			
81600	3 NEMA 5-15R	600/360	15/...	5.6	4.9	13.8	15	83K8860	115.24
81110	4 NEMA 5-15R	1100/660	30/8	7.4	6.7	14.8	26.9	83K8858	178.88

➔ CONTINUED ➔

UPS SYSTEMS

NOVA AVR UPS SYSTEM (CONT.)

Mfg. Part No.	Receptacles	Capacity VA/W	Runtime Half/Full Load (min.)	Dimensions (in.)			Wt. lbs.	Stock No.	Price Each
				H	W	D			
81601	3 NEMA 5-15R	600/360	15/ ...	5.6	4.9	13.8	15	83K8861	158.76
81111	4 NEMA 5-15R	1100/660	30/8	7.4	6.7	14.8	26.9	83K8859	229.19

(86070)

POWERWARE® 5110 SERIES UPS SYSTEMS



Just Added



- Protects the integrity of your data and applications by shielding electronic equipment from power outages, surges, sags, brownouts, and over-voltage conditions
- Saves space with a compact design that can be deployed as a tower or under a computer monitor
- Protects loads on eight outlets—four with surge suppression and battery backup, four with surge suppression only
- Delivers consistent, clean output with Automatic Voltage Regulation (AVR) that doesn't drain battery power
- Extends UPS service life with user-replaceable batteries
- Two-year limited factory warranty and a load protection guarantee

5110 series was designed to provide the best UPS power protection against the threats that lurk in public utilities. This line-interactive UPS system delivers the ultimate in power quality, constantly safeguarding your equipment from power outages, surges, sags, brownouts, and over-voltage conditions while also providing varying degrees of power management for additional threats. If utility power is interrupted, even briefly, the 5110 series transfers to UPS battery power. All include Powerware® LanSafe software.



Mfg. Part No.	Receptacles	Capacity VA/W	Full Load (min.)	Dimensions (in.)			Wt. lbs.	Stock No.	Price Each
				H	W	D			
PW5110 500	(4) Nema 5-15R UPS, (4) Nema 5-15R surge	500/300	3	10.6	3.4	10.2	12.1	58P0410	128.29
PW5110 700	(4) Nema 5-15R UPS, (4) Nema 5-15R surge	700/420	3	10.6	3.4	10.2	15.2	58P0411	146.27
PW5110 1000	(4) Nema 5-15R UPS, (4) Nema 5-15R surge	1000/600	3	10.6	3.4	15.1	28	58P0408	226.59
PW5110 1500	(4) Nema 5-15R UPS, (4) Nema 5-15R surge	1440/900	3	10.6	3.4	15.1	29.1	58P0409	232.59

(142237)

MGE OFFICE PROTECTION SYSTEMS EVOLUTION and EVOLUTION S SERIES UPS SYSTEMS



- PowerShare
- Continuous power supply
- Long backup times
- Line-interactive HF Technology
- Rack (1U) and RT models include rail kits
- Remote supervision
- Maximum flexibility

Evolution and Evolution S series provide protection for 1-5 servers, ideal for network devices, rack mounted servers, conventional rack mounted or tower servers, and network storage systems. Standard USB and serial ports with SNMP and ethernet protocols. Available in tower format, rack (1U), RT2U convertible rack/tower or RT3U for tower or short depth racks. It's extremely compact size makes the best use of available space.



Mfg. Part No.	Receptacles	Capacity VA/W	Half/Full Load (min.)	Dimensions (in.)			Wt. lbs.	Stock No.	Price Each
				H	W	D			
81700	(6) 5-15R	650/420	9/6	5.8	9.2	16.5	18.5	96M0119	290.64
81701	(6) 5-15R	650/420	9/6	17.2	1.7	14.4	22.3	96M0120	332.64
81703	(6) 5-15R	850/600	16/7	5.8	9.2	16.5	23.9	96M0121	367.92
81704	(6) 5-15R	850/600	16/7	17.2	1.7	20.2	35.5	96M0122	577.92
81705	(6) 5-15R	1150/770	14/7	5.8	9.2	16.5	27.6	84M8538	522.48
81706	(6) 5-15R	1150/770	14/7	17.2	1.7	20.2	36.6	96M0123	645.12
81709	(6) 5-15R	1440/1100	14/8	5.8	9.2	19.4	36.4	88M3136	645.38
81710	(6) 5-15R	1440/1100	14/8	17.2	1.7	21.9	44.1	88M2435	829.92
81712	(8) 5-15/20R	1920/1600	14/7	17.3	3.4	20	56.7	96M0127	977.76
81708	(8) 5-15R	1250/1150	20/14	17.3	3.4	20	53.6	96M0125	829.92
81711	(8) 5-15/20R	1750/1600	14/9	17.3	3.4	20	58.6	96M0126	922.32
81714	(9) 5-15/20R,(1) L5-30R	2500/2250	17/11	17.3	3.4	25	74.5	96M0129	1291.92
81715	(9) 5-15/20R,(1) L5-30R	2880/2700	15/10	17.3	3.4	25	74.5	96M0130	1463.28
81716	(9) 5-15/20R,(1) L5-30R	2880/2700	15/10	17.3	5.1	19.1	75.6	96M0131	1391.04

EXB MODULE

Mfg. Part No.	For Use With	Stock No.	Price Each
81713	Evolution S 1250/1750	96M0128	700.56
81707	Evolution S EXB 2500/3000 RT3U	96M0124	792.96
81717	Evolution S EXB 2500/3000 RT2U	96M0132	792.96

▶ CONTINUED ▶

MGE OFFICE PROTECTION SYSTEMS EVOLUTION and EVOLUTION S SERIES UPS SYSTEMS (CONT.)

ACCESSORIES

Mfg. Part No.	For Use With	Stock No.	Price Each
66102	Mini-Slot Network Management Card (SNMP/Web 10/100)	30M7376	281.62
66846	Environment Sensor	20K6131	181.44
66104	Serial/Status Management Card	30M7377	109.20

(113791)

MGE OFFICE PROTECTION SYSTEMS PULSAR and PULSAR M SERIES UPS SYSTEMS



Just Added



Pulsar EX Series



Pulsar M Series

Pulsar EX and Pulsar M series are packed with high-availability features like an automatic by-pass or hot-swappable batteries. Their network manageability is outstanding due to switched outlets to remotely reboot connected equipment or to extend backup time for the most critical servers. The bundled software suite provides a vast array of power management capabilities, like the ability to shutdown multiple servers or to be interfaced with the network even without a Web/SNMP card.

PULSAR EX SERIES

Pulsar EX series is made of high-performance UPSs designed for power protection of individual IT systems exposed to harsh conditions. Their on-line double conversion technology can ride through long lasting brownout conditions without draining the batteries while their high output provides typically 20% more power than comparable products. Available in different form factors like mini-tower or 2U Rack/Tower. Pulsar EX series is the ideal solution for mid-range servers and interconnecting equipment with Power Factor Corrected power supplies.

Mfg. Part No.	Plug/Receptacles	Cap. VA/W	Half/Full Load (min.)	Dimensions (in.)			Wt. lbs.	Stock No.	Price Each
				H	W	D			
86700	5-15P/ (4) 5-15R	700/ 630	16/ 10	9.52	6	17.32	27.5	96M0133	650.84
86701	5-15P/ (4) 5-15R	1000/ 900	18/ 12	9.52	6	17.32	33	96M0134	670.32
86702	5-15P/ (6) 5-15R	1000/ 900	18/ 12	9.52	6	17.32	39.6	95M8416	804.72
86703	5-15P/ (4) 5-15R	1500/ 1350	13/ 9	9.52	6	19.29	39.6	88M0379	1009.01
86704	5-15P/ (6) 5-15R	1500/ 1350	13/ 9	9.52	6	19.29	45	95M5286	1031.52

PULSAR M SERIES

Pulsar M series is made of high-performance UPSs designed for power protection of servers and IT equipment exposed to harsh conditions. Their on-line double conversion technology can ride through long lasting brownout conditions without draining the batteries. Pulsar M is available in 2 Rack/Tower versatile form factors: 2U height for server protection in deep, high density rack enclosures, or 3U for shorter telecom/networking racks. Pulsar M series is the ideal solution for individual protection of enterprise servers.

PULSML2200- XL2U	NEMA 5-20P/ (6) NEMA 5-20R, (1) NEMA L5-20R	2100/ 1650	12/ 4	3.39	17.32	25.2	68	58P0391	1498.23
PULSML2200- XL3U	NEMA 5-20P/ (6) NEMA 5-20R, (1) NEMA L5-20R	2100/ 1650	12/ 4	5.16	17.32	19.29	70	58P0392	1374.18

EXTENDED BATTERY MODULES

Mfg. Part No.	For Use With	Stock No.	Price Each
86705	Pulsar 1000 or 1500 Towers	96M0135	552.72
86706	Pulsar 1000 or 1500 RTs	95M8418	636.72
PULSMI3000-EBM	Pulsar M series of UPS's	58P0390	836.91

ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each
66102	Mini-Slot Network Management Card (SNMP/Web 10/100)	30M7376	281.62
66846	Environment Sensor	20K6131	181.44
66104	Serial/Status Management Card	30M7377	109.20

(113792)



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(148833)

UPS SYSTEMS

SDU SERIES OFF-LINE DIN RAIL UPS



SOLA-HD

- Compact industrial design
- Wide operating temperature range, 0°C to 50°C
- Phone line surge protection included
- Software and communication cable included
- Simulated sine wave output
- RS232 communication port
- USB port and Form C dry contact, optional
- Two year warranty



SDU series off-line DIN rail UPS provides economical protection from damaging impulses and power interruptions. These units include accessible connection screw termination for critical devices needing battery back-up.

Mfg. Part No.	Capacity (VA/W)	Volts, Frequency In/Out	Full Load (min.)	Input/Output Connections	Wt. (lbs.)	Stock No.	Price Each
							1-4
SDU500	500/300	120VAC, 50/60Hz	4	IP20 touch proof screw terminals.	10.7	28K6417	285.50
SDU850	850/510		2		11.4	28K6418	400.17
SDU500S	500/300		4	Wire range: 10-20AWG; Screw torque: 5.5 lb.-inch; N.O./N.C. Form "C" contact	11.5	89K7693	342.84
SDU-850-S	850/510	230VAC, 50/60Hz	2		11.9	64K2043	457.50

SDU SERIES ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each
			1-4
RELAYCARD-SDU	Dry contact I/O relay box, IP20 touch proof screw terminals, wire size range 12-22 AWG (IEC 2.5mm); N.O./N.C. form	64K2194	149.17
UPSMONUSB	RS232 to USB Adapter Cable	73K4170	28.79
SDU-PMBRK	Chassis mount brackets to secure UPS to wall, panel or enclosure	67K3281	20.91

(84612)

SDU SERIES DIRECT CURRENT UPS SYSTEM



SOLA-HD

- Modular, rugged industrial grade design
- Microprocessor based controls
- Automatic self-test feature for UPS function and battery management check
- Power module wide operation temperature range (-20 to +50°C)
- Flexible batteries back-up expansion capabilities
- Overload protection in normal and battery modes
- User replaceable batteries
- IIP-20 rated input and output screw terminals
- No internal fan, no extra cooling required
- Sturdy, reliable all metal DIN rail mounting connector
- LED status indicators
- Universal Dry Contact Relay terminals provide remote signaling
- Monitoring, diagnostics, and remote turn-on and shut-off capabilities
- 2 year manufacturer's warranty



SDU DC UPS series is a powerful, microprocessor controlled UPS that provides protection from power interruptions. With an input voltage range of 22.5 to 30.0 Vdc, the DC UPS is the ideal power back-up solution for your critical connected loads. These units were designed for use with SDN series of power supplies.

Mfg. Part No.	Capacity (VA/W)	Output Voltage	Full Load (min.)	Input/Output Connections	Wt. (lbs.)	Stock No.	Price Each
							1-4
SDU 10-24	240/-	24	14	IP20 rated screw terminals. Wire range: 16-12AWG for copper conductors rated 90°	1.65	60M3378	239.64
SDU 20-24	480/-	24	4		1.65	60M3379	285.50

BATTERY MODULES

Mfg. Part No.	Description	Stock No.	Price Each
			1-4
SDU 24-BAT	24V DIN Rail/Panel Mount Battery Module (cable included)	60M3380	124.98
SDU 24-BATEM	24V External Mount Battery Module (cable included)	60M3381	228.23

SDU SERIES ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each
			1-4
SDU 24EXTBC6	6 ft. Battery Module cable to 24V DC UPS	60M3383	27.52
SDU-PMBRK	Chassis mount brackets to secure UPS to wall, panel or enclosure	67K3281	20.91

(102100)

S1K SERIES COMPACT UNINTERRUPTIBLE POWER SYSTEMS (UPS)



SOLA-HD

Features:

- Small, Compact Design
- Data-Line Surge Protection for Phone or Network
- DB-9 Communications Interface; Software and Cable Included
- Step Sine wave Output
- Voltage, 115VAC input and output
- Frequency, 50 or 60Hz input and output
- Input plug, 5-15P
- 2-Year Warranty
- UL listed



Economical and compact protection from damaging impulses and lost data due to power interruptions. S1K Offline series is designed to fit easily under a desk, or in any other location where space is limited.

Mfg. Part No.	Receptacles	Capacity VA/W	Runtime* Typ. (min.)	Dimensions (in.)			Wt. (lbs.)	Stock No.	Price Each
				H	W	D			
S1K320	4 NEMA 5-15R 3 Battery, 1 Surge	320/240	10	5.3	3.8	10.4	8.8	34C1972	131.22
S1K520		520/340	15	5.3	3.8	12.6	11.6	34C1973	155.31
S1K650		650/390	15	5.3	3.8	10.4	8.1	34C1974	260.03
S1K850		850/550	25	5.3	3.8	10.4	10.8	34C1975	365.97
S1K1200	4 NEMA 5-15R 4 Battery	1200/720	30	5.3	3.8	12.6	10.8	34C1971	583.22
S1K1500		1440/900	70	7.5	5.11	15	30	86K9397	641.66

S1K ACCESSORY

Mfg. Part No.	Description	Wt. (lbs.)	Stock No.	Price Each
				1-2
S1K-PMBRK**	Wall/Panel Mount Bracket Kit for S1K (320VA-1200VA) UPS	1	29K8558	28.80

*For a typical PC and monitor **For use with all S1K series except S1K1500 (70251)

S3K SERIES INDUSTRIAL GRADE LINE INTERACTIVE UNINTERRUPTIBLE POWER SUPPLIES (UPS)

SOLA-HD

- Line-Interactive with Data Line Protection for Telephone and Network Connections
- Automatic Voltage Regulation (AVR) Topology — Saves Battery Over/Undervoltages When Input is Below 87V
- Step Sine wave Output
- Configurable Input Voltage
- Full Sequence, Automatic Bi-Weekly Battery Testing
- User Replaceable "Hot Swapping" Batteries
- UL listed
- 2 year warranty



S3K series UPS protect against most power disturbances including over/under voltages through line-interactive technology. Additionally, S3K series UPS are provided with an input circuit protector and a pair of surge protected data line connectors (RJ-45), with an automatic bi-weekly test function to insure the capability of the battery to supply power in emergency situations. Should the battery fail this test, the UPS will display a warning to indicate that the battery needs to be replaced.

S3K SERIES MINI TOWER SERIES — 120V MODELS; S3K700 AND S3K1000 DIMENSIONS: 8.30 X 5.50" (H X W), S3K1600 DIMENSIONS: 8.90 X 6.70" (H X W)

Mfg. Part No.	Receptacles	Capacity VA/W	Half/Full Load (Min.)	Depth (in.)	Weight (lbs.)	Stock No.	Price Each
							1-2
S3K700	4 NEMA 5-15R	700/480	14/5	17.20	34.1	83H5285	564.24
S3K1000		1000/750	13/4	17.20	37.0	83H5276	823.78
S3K1600	6 NEMA 5-15R	1440/1200	10/3	17.70	70.4	83H5277	1105.33

(78298)

S4K2U AND S4K4U SERIES INDUSTRIAL GRADE ONLINE UNINTERRUPTIBLE POWER SYSTEMS (UPS)

SOLA-HD

Features:

- Hardware Options: 700VA through 6kVA
- Small 2U Height to 4U Height
- 2-Step Battery Recharge
- PWM Inverter
- Automatic Restart
- Automatic and Manual Battery Test
- Integral dynamic bypass reduces shutdown
- Microprocessor-Based Control
- Pushbutton and Indicator Monitoring Package
- RS232 Communication Port
- Rack Mount or Stand-Alone Tower Mounting
- Hardwire Capability Allows for Permanent Installation
- UL Listed
- 2 Year Warranty



The true online (double conversion) protection, eliminates a wide range of potential power problems (spikes, surges, extended overvoltage, noise and other transients, sags and extended brownouts), even difficult-to-track harmonics and dangerous frequency variations that are common with standby generator operation. Sine wave output, slim 2U (3.5") and 4U (7.0") packages. The LED display indicates annunciation of battery capacity, percentage of UPS load, battery operation, bypass operation and UPS fault condition. The rack-tower models are also supplied with stabilizing feet for floor mount and security flanges for rack mount. Mfg. part no. S4K4U6000 dual inverter design provides 208/120V or 240/120V. UL listed, CSA certified. S4K4U series dimensions: 17.00H x 7.00W".

➤ CONTINUED ➤

UPS SYSTEMS

S4K2U AND S4K4U SERIES INDUSTRIAL GRADE ONLINE UNINTERRUPTIBLE POWER SYSTEMS (UPS) (CONT.)

RACK TOWER UNIT - PLUG AND PLAY OR HARDWIRED; S4K2U SERIES DIMENSIONS: 17.00 X 3.50" (H X W)

Mfg. Part No.	Plug/Recep.	Capacity VA/W	Volts In/Out	Half/Full Load (min.)	Depth (in.)	Wt. (lbs.)	Stock No.	Price Each
S4K2U700		700/490		44/17	21.50	50	34C1985	1011.45
S4K2U1000	5-15P/(4) 5-15R	1000/700		25/11	21.50	51	34C1976	1285.23
S4K2U1500		1500/1050	120/120 (50/60Hz)	20/7	21.50	52	34C1978	1614.92
S4K2U2000	5-20P/(4) 5-15R	2000/1400		14/6	21.50	56	34C1980	2030.19
S4K2U3000	(15/20 Amp Type)	3000/2100		16/5	24.20	76	34C1982	2892.84
S4K4U6000	4-Wire, 8-10AWG	6000/4200	120/208 or 120/240 (50/60Hz)	15/5	24.20	160.3	28K6420	7414.14

230 VAC, 50/60 Hz INTERNATIONAL MODELS

S4K2U1000-5	IEC 60320-10A(4) IEC60320/C13	1000/700	230/240 (50/60Hz)	25/11	21.5	51	53M2945	1412.33
S4K2U2000-5	IEC 60320-10A(4) IEC60320-10A	2000/1400		14/6	21.5	56	79M7067	2135.30
S4K2U3000-5	IEC 60320-16A(4) IEC60320-10A IEC 60320-16A(1)	3000/2100		16/5	24.4	76	94M4889	3193.08

EXTERNAL BATTERY CABINETS; DIMENSIONS: 17.00 X 3.50" (H X W)

Mfg. Part No.	UPS Model	Cabinet Qty.	Half/Full Load (mins.)	Depth Each Cabinet (in.)	Wt. (lbs.)	Stock No.	Price Each
S4K2U48BAT	S4K2U1000, S4K2U1000-5	Internal One Two	25/11 100/44 200/88	21.5	- 71 142	34C1984	626.11
	S4K2U1500	Internal One Two	20/7 80/28 160/56		- 71 142		626.11
	S4K2U2000, S4K2U2000-5	Internal One Two	14/6 42/18 98/49		- 71 142	34C1987	980.41
S4K2U96BAT	S4K2U3000, S4K2U3000-5	Internal One Two	16/5 64/20 128/40		- 103 205		980.41
S4K144BAT	S4K4U6000	Internal One Two Three Four	14/5 34/14 58/25 82/36 105/47	24.2	76.3 93.6 187.2 280.8 374.4	28K6419	1000.00

S4K2U AND S4K4U SERIES ACCESSORY

Mfg. Part No.	UPS Models	Description	Weight (lbs.)	Stock No.	Price Each
SRS1832	S4K2U, S4K4U	Rack Slide Kit for Racks with 18-32" Support Rails	8	36K2814	146.99

(39/70)

ECO SERIES UPS SYSTEMS

NEW TECHNOLOGY



- Energy-saving outlets automatically turn off idle peripherals
- 99% efficiency saves electricity and reduces energy bills
- Eco-friendly design minimizes hazardous materials and waste



ECO series UPS systems offer the environmentally-friendly "green" solution for protecting home and office PCs from all power problems. They're up to 99% efficient and utilize designated ECO outlets that automatically shut off unused computer accessories when computer is not in use. This feature eliminates "phantom loads" idle peripherals that waste electricity when they are not in use, even when they appear to be off.

ECO series UPS systems include USB cable and communication port for automatic unattended shutdown through PowerAlert software via web download. Built-in jack also protects against surge damage on the phone/DSL line. All UPS systems include USB cable and instruction manual with warranty information.

Mfg. Part No.	Capacity (VA/W)	Back-up Runtime Half/Full Load (min.)	Dimensions (in.)	H	W	D	Wt. (lbs.)	Stock No.	Price Each
● ECO350UPS	350/180	3/11	3	8	6.5	5.2	74P0141	74P0141	71.40
● ECO550UPS	550/300	3.5/10	3	11	6	6.6	74P0142	74P0142	96.90
● ECO750UPS	750/450	2.5/11	3	12.25	7	8.8	74P0143	74P0143	134.30

(144/703)

BC SERIES STANDBY UPS SYSTEMS



- Entry-level, reliable, standby protection for personal computers
- UL listed

BC PRO series models use free basic PowerAlert software (Web download) and comm. port to provide unattended shutdown. See Fig. reference on page 1531.

Mfg. Part No.	Capacity VA/W	Backup Runtime Half/Full Load (min.)	Outlets (NEMA5-15R)	Dimensions (in.)	H	W	D	Wt. (lbs.)	Fig.	Stock No.	Price Each
BC PERS 300	300/175	17/5	3	8.5	4.25	5.5	12			83F6116	102.24
BC PERS 450	450/280	15/4	3	8.5	5.25	7	15			83F6117	122.36
BC PRO 600	600/345	17/5	6	10.75	5.25	7.25	21		2	83F6122	167.44
BC PRO 1050	1050/705	23/7	6	11.75	7.25	7.25	32.5			92F8626	396.06
BC PRO 1400	1400/940	24/8	6	12.75	7.5	9	38			92F8609	571.55

*3 UPS/3 Surge with built-in jacks to protect against surge damage on one phone line/DSL line (38/79)

INTERNET OFFICE™ STANDBY UPS SYSTEMS



- Compact, internet-ready standby protection for home/office computers, modems and all peripherals
- UL listed

Free basic PowerAlert software (Web download) and communication port provide automatic unattended shutdown. Built-in jacks protect against surge damage on the phone/DSL or phone/DSL/ethernet lines. See Fig. references on page 1531.

LOW-PROFILE

Mfg. Part No.	Capacity (VA/W)	Back-up Runtime Half/Full Load (min.)	Outlets (NEMA5-15R)	Dimensions (in.)	H	W	D	Wt. (lbs.)	Fig.	Stock No.	Price Each
INTERNET350SER	350/180	10/2.5	6 (3UPS/3Surge)*	3	10.5	5	4			09J4249	55.59
INTERNET350U	350/180	11/3	(3UPS/3Surge)	3	10.5	5	4			73C7059	55.59
INTERNET550U	550/300	10/3.5	8 (4UPS/3Surge)	3.5	11.25	6	4			58K9725	76.07
INTERNET 550 SER	550/300	10/3.5	6 (3UPS/3Surge)*	3.1	5.7	10.9	4			09J4250	73.14
INTERNET750U	750/450	10/3	12 (6UPS/6Surge)	4	12	7	4			09J4251	111.18

TOWER

INTERNET OFF-500	500/280	15/4	6 (3UPS/3Surge)	8.75	5.25	6.75	5			83F6120	163.45
INTERNETOFFICE700	700/425	11/3	6 (3UPS/3Surge)	10.75	5.25	7.25	6			53H7299	160.46

STANDBY MINI-DESKTOP UPS

BC350	350/180	10/2.5	6 (3UPS/3Surge)	3	10.5	5	4			78K5536	52.30
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*DB9 port (12230)

SMARTPRO® INTELLIGENT NETWORK UPS SYSTEMS

Just Added



- Automatic voltage regulation (AVR) supports equipment during brownouts and overvoltages
- Free enhanced PowerAlert software and up to 4 comm. ports provide network power management
- Extended run options
- UL listed

The tower counterpart to the SmartPro® rack mount line with intelligent, microprocessor-controlled protection and a full range of power management features to protect network servers. See Fig. references on page 1531.

STANDARD RUNTIME SYSTEMS

Mfg. Part No.	Cap. VA/W	Back-up Runtime Half/Full Load (min.)	Outlets (NEMA5-15R)	Dimensions (in.)	H	W	D	Wt. (lbs.)	Fig.	Stock No.	Price Each
SMART550USB	550/300	15/4	6	8.75	5.25	6.75	14.4	5		81C9225	149.46
● SMART750	700/450	16/5.5	6	11.75	7.25	7.5	23	5		96F9200	324.08
SMART700SER	700/450	20/6	6	11.75	7.25	7.25	22	5		09J4272	307.03
SMART750USB	750/450	11/3	6	10.75	5.25	7.25	17.4	5		88H4316	172.89
SMART750SLT	750/500	20/7	8	10.25	6.75	9	30	5		82K9296	376.00

➤ CONTINUED ➤



SMARTPRO® INTELLIGENT NETWORK UPS SYSTEMS (CONT.)

Mfg. Part No.	Cap. VA/W	Back-up Run-time Half/Full Load (min.)	Outlets (NEMA5-15R)	Dimensions (in.)			Wt. lbs.	Fig.	Stock No.	Price Each
				H	W	D				
SMART1050	1050/705	19/7	6	11.75	7.25	7.25	29	5	16F1210	427.91
SMART1050SLT	1050/650	19/7	8	10.25	6.75	13.25	36	6	97H2865	459.05
SMART1500	1500/980	20/7	6	12.75	7.5	9	38.4	5	81C9221	523.88
SMART1500SLT	1500/900	22/8	8	10.25	6.75	14	45	6	09J4271	549.96
SMART2200VS	2200/1600	19/7	9 (7 5-15R, 2 5-15/20R)	14.25	9.25	12	56.5	1	88H2977	845.06

EXTENDED RUNTIME SYSTEMS

SMART750XLA	750/450	29/12+	8	8.75	6.75	16.75	45.5	5	46P6694	460.54
SMART1500XL*	1500/980	20/7+	6*	12.75	7.5	9	41.6	5	53H8289	699.66
SMART2200NET	2200/1700	27/11+	6	17	9	12.5	80	1	92F3235	983.25
Smart3000 NET	3000/2400	23/7+	4 NEMA5-15R, 4 NEMA5-15/20R	17	9	12.5	89	1	52F6936	1310.48
SMART3000VS	3000/2200	14/4+	7 NEMA5-15R, 2 NEMA5-15/20R, 1 L5-30R	14.25	9.25	12	59	1	73J5841	1142.78

*External battery capability and higher continuous power capacity; +Extended backup times with optional external battery packs (3922)

OMNISMART™ LINE-INTERACTIVE UPS SYSTEMS



- Phone/DSL/Ethernet protection options safeguard against surge damage on the phone/DSL/Ethernet lines
- UL listed

Mid-level, line-interactive UPS series offer automatic voltage regulation at an affordable price to protect computers, workstation and small servers. Free basic PowerAlert software (web download) and USB communication port provide automatic unattended shutdown. See Fig. references on this page.

OMNISMART™

Mfg. Part No.	Capacity VA/W	Back-up Run-time Half/Full Load (min.)	Outlets (NEMA5-15R)	Dimensions (in.)			Wt. lbs.	Fig.	Stock No.	Price Each
				H	W	D				
OMNISMART 300PNP	300/175	27/10.5	3*	8.75	5.25	6.75	13.5		83F6115	185.13
OMNISMART500	500/300	15/4	6†	8.75	5.25	6.75	14		17C6601	244.30
OMNISMART700	700/450	17/4	6‡	10.75	5.25	7.25	20	3	17C6602	332.04
OMNISMART1050	1050/705	23/7	6	11.75	7.25	7.25	28.6		52F6954	412.90
OMNISMART1400	1400/940	24/8	6	12.75	7.5	9	36.4		13B3726	596.98

OMNI VS (VALUE SERIES)

OMNIVS800	800/475	11.5/3.5	7†	10.75	5.25	7.25	15.9		09J4216	180.65
OMNIVS1000	1000/500	14/3.5	8†	10.75	5.25	7.25	18.4		09J4214	203.01
OMNIVS1500	1500/940	8.5/4	8**	11.75	7.25	7.25	32.2	5	82K9292	294.19
OMNIVS1500XL	1500/940	13/4.5†+	8‡	11.75	7.25	7.25	32.2		09J4215	337.20

*Built-in jacks protect against surge damage on one phone/DSL line; †protect against surge damage on two phones/DSL lines; ‡protect against surge damage on one phone/DSL/ethernet line; +Extended backup times with external battery pack

**1Tel or 10BT (3896)



Fig. 1



Fig. 2



Fig. 3



(72665)

Fig. 4



Fig. 5



Fig. 6

SMARTPRO® RACK/TOWER INTELLIGENT LINE-INTERACTIVE UPS SYSTEMS



- Automatic Voltage Regulation (AVR) Supports Equipment During Brownouts and Overvoltages
- Rack/Stack/Tower Adaptable Cabinets Occupy Less Space — As Slim As 1U
- Extended Runtime Options
- UL Listed

Incorporates intelligent, microprocessor-controlled protection with a full range of power management features to protect network servers, rack mount equipment and more. Free enhanced PowerAlert software and up to 4 communication ports (USB and DB9) provide unparalleled network power management. Mfg. part no. SMART5000RT3U includes 3U power module and 3U battery module and offers 208 and 120V output. 17.5 inch external width.

Mfg. Part No	Capacity (VA/W)	Back-up Run-time Half/Full Load (min.)	Outlets (NEMA5-15R)	Dimensions (in.)			Wt. lbs.	Stock No.	Price Each
				H	W	D			
SMART500RT1U	500/300	8/3	7	1.75	17.5	11.75	18.8	09J4394	227.56
SMART750RM1U	750/450	24/7	6	1.75	17.5	16.75	30	53H8293	496.34
SMART1000RM1U	1000/700	15/7	6	1.75	17.5	16.75	32	81C9219	652.97
SMART1500RM2U	1500/1000	19/7	8	3.5	17.5	13.5	46	94H7821	778.88
SMART1500RMXL2UA	1500/1000	21/7.5†	8	3.5	17.5	13.5	43.5	09J4393	835.38
SMART2200RMXL2U	2200/1600	16/6†	8	3.5	17.5	19	64	81C9224	1171.37
SMART3000RM2U	3000/2250	11/4	9	3.5	17.5	19	64	27C4819	1324.09
SMART5000RT3U*	5000/4000	38/16†	14	5.25/5.25	7.5/17	22.5/22.8	93	71C9423	3749.28

*Power module; †External battery module; Extended backup times with external battery packs

ACCESSORIES

Mfg. Part No	Description	For Use With	Stock No.	Price Each
BP36V15-2U	36V (2U) Battery Pack, Standard Run	1500VA	45J2957	483.55
BP48V24-2U	48V (2U) Battery Pack, Standard Run	2200 and 3000VA	25C6321	555.15
BP48V60RT-3U	48V (3U) Battery Pack, Extended Run, Expandable	2200, 3000, 5000VA	31C1553	1213.85
SNMPWEBCARD	Internal SNMP/WEB Management Accessory	UPS to Ethernet Connections	31C1609	302.75
2-9USTAND	Tower Kit Includes: 2 Base Stands — 2U	Rack/Tower UPS Systems	89H8971	82.59

(68230)

UPS SYSTEMS

LINE INTERACTIVE UPS SYSTEMS
FOR HEALTHCARE MARKET

- Medical-grade models are UL 60601-1 listed with built-in isolation transformers reducing leakage to less than 300 microamps
- Automatic voltage regulation supports equipment during brownouts without draining battery power
- Automatic shutdown system when left unattended
- Hospital-grade plug and receptacles

All models are for use outside of patient-care areas. See Fig. reference on page 1531.

MEDICAL-GRADE — RATED UL 60601-1

Mfg. Part No.	Capacity (VA/W)	Back- up Run- time Half/ Full Load (min.)	Dimensions (in.)			Wt. lbs.	Fig.	Stock No.	Price Each
			H	W	D				
SMART700HG	700/ 450	42/ 18	12.75	7.5	9	44.6		13B3746	698.55
SMART1200XLHG	1000/ 750	25/ 10	12.75	7.5	9	45.2	2	31C1607	881.27
OMNISMART350HG	330/ 225	46/ 18	10.75	5.25	7.25	26.5		31C1577	459.32

(12233)

SMARTONLINE® RACK/TOWER
ON-LINE UPS SYSTEMS

- Precision-regulated, pure sine-wave output provides the highest level of voltage and frequency correction
- Rack/stack/tower adaptable cabinets occupy less space — as slim as 2U
- Extended runtime options

Provides constant on-line operation to completely isolate mission-critical applications and sensitive equipment from every power problem on the AC line. Free enhanced PowerAlert™ software and up to 2 comm. ports (USB and DB9) provide unparalleled network power management. **NOTE:** New three-phase UPS systems from Tripp-Lite are now available; go online or call Newark.

Mfg. Part No.	Capacity (VA/W)	Back- up Run- time Half/ Full Load (min.)	Dimensions (in.)			Wt. lbs.	Stock No.	Price Each
			H	W	D			
SU750RTL2U	750/ 600	11+/ 4+	3.5	17.5	13.5	29	82K9297	595.61
SU1000RTL2UA	1000/ 800	14+/ 4.5+	3.5	17.5	13.5	41	24K6748	726.10
SU1500RTL2UA	1500/ 1200	14+/ 5+	3.5	17.5	13.5	44.1	24K6749	925.11
SU2200RTL2UA	2200/ 1600	14+/ 4.5+	3.5	17.5	19	47.4	24K0907	1376.00
SU3000RTL3U	3000/ 2400	14+/ 5+	5.25	17.75	26	73.9	49H7612	1754.76
SU6000RT3U	6000/ 4200	20+/ 8+	5.25, 5.25, 5.25	17.5, 17.5, 17.5	22.5*, 26†, 23.5‡	41.8, 90, 136.5	73C4921	5184.85

*Power module; †Battery module; ‡Step-down transformer module; +Extended back-up times with optional battery packs

EXTENDED RUNTIME BATTERY PACKS

Mfg. Part No.	Description	Stock No.	Price Each
BP24V28-2U	24V Ext. Battery Pack for SU750RTL2U, SU1000RTL2UA	83K8171	517.75
BP48V24-2U	48V Ext. Battery Pack for SU1500RTL2UA, SU2200RTL2UA	25C6321	555.15
BP72V15-2U	72V Ext. Battery Pack for SU3000RTL3U	46M3738	727.65
BP240V10RT3U	240V Ext. Battery Pack for SU6000RT3U	53H7180	1175.43

(59080)

SMARTONLINE™
INTELLIGENT TRUE ONLINE
TOWER UPS SYSTEMS

True online system protects against blackouts, brownouts, spikes and line noise. Provides pure sine waveform, zero transfer time and premium voltage regulation. Diagnostic LEDs provide advance warning of potential power problems before equipment is affected. Includes PowerAlert™ software that saves files automatically during unattended shutdown and provides unparalleled network power management.

Mfg. Part No.	Capacity (VA/W)	Back- up Run- time Half/ Full Load (min.)	Outlets (NEMA5- 15R)	Dimensions (in.)			Wt. lbs.	Stock No.	Price Each
				H	W	D			
SU750XL	750/600	11/4	6	10	6.75	13.25	28.7	82K9298	544.00
● SU1000XLA	1000/800	14/4.5	6	10	6.75	13.25	29.8	16M3541	596.16
● SU1500XL	1500/1200	14/4.5	6	10.25	9	19.5	49.8	46M3748	795.88
● SU2200XLA	2200/1600	14/4.5	7	10.25	9	19.5	52.7	46M3749	1110.35
SU3000XL	3000/2400	14+/5+	9	10.25	9	20.5	69.8	96H7056	1548.53

EXTENDED RUNTIME BATTERY PACKS

Mfg. Part No.	Description	Stock No.	Price Each
BP72V18	72V Ext. Battery Pack for SU3000XL	46M3739	637.90

+Extended backup times with external battery packs
(59171)

DIGITAL UPS SYSTEMS

- Large rotatable LCD screen shows power conditions and UPS correction in real time
- 8 AC outlets plus tel/DSL, Ethernet (**SMART series** only)
- Built-in USB port and free PowerAlert Software for unattended shutdown
- Tower, shelf or 2U rackmount installation**

Line-interactive digital UPS system offers protection for personal computers, workstations, audio/video and media centers. *Omnismart series is CSA certified.

SMARTPRO SERIES

Mfg. Part No.	Capacity (VA/W)	Back- up Run- time Half/ Full Load (min.)	Outlets (NEMA5- 15R)	Dimensions (in.)			Wt. lbs.	Stock No.	Price Each
				H	W	D			
SMART1000LCD	1000/ 500	9/ 3	8	12	3.5	6.5	14.6	65K4697	209.44
SMART1200LCD	1200/ 700	12/ 4	8	17.25	3.5	10.5	25	82K9294	258.55
SMART1500LCD	1500/ 900	13/ 3.5	8	17.25	3.5	10.5	29	82K9295	310.55

OMNISMART™ SERIES

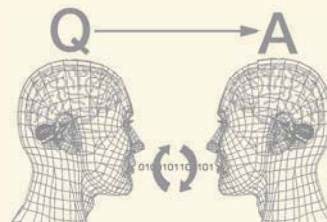
OMNI900LCD	900/ 475	10/ 3	8	12	3.5	6.5	14.6	82K9293	158.89
OMNI650LCD	650/ 350	12/ 3.5	8	12	3.5	6.5	14.6	82K6211	143.00

**SMART1000LCD requires optional shelf for rackmount installation.
(89045)



Expert technical support

Chat online to our team of engineers, or
connect to them through your representative.



(148840)