

DEC-830H-P, TA#17870

HOT SWAP - 1000 WATTS
With Or'ing Diodes
Ref. Part No.: 30-50703-01



Rear View showing
Elcon Connector



FEATURES:

5" x 6" x 13" in Size

N+1 Redundant and Hot Swap (Elcon Double Drawer Connector)

Fast and Easy Installation

Meets EN55022 Level A / FCC Class A

No Additional Cooling Required up to 50 °C

Power Factor Corrected Input (90-264VAC)

Active Current Share Capability on V1, V2 Outputs

LED'S Included Indicates Power Supply Status (POK, +5Vaux)

Greater than 150,000 Hrs MTBF (500,000 Hrs in Redundancy)

Production Pricing:

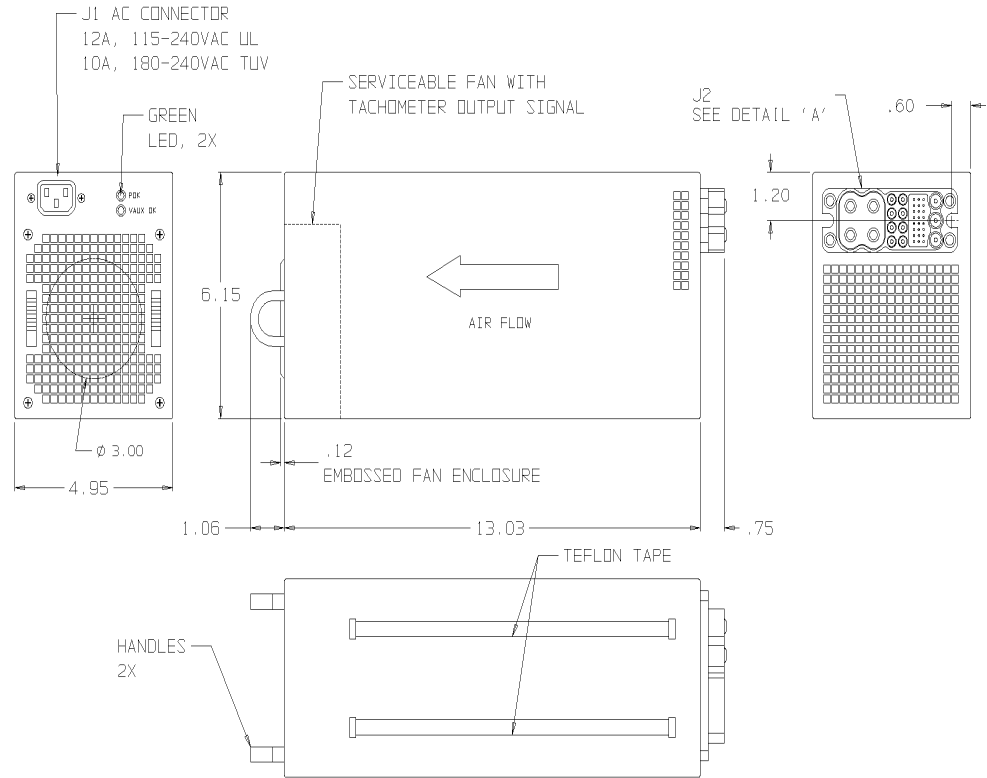
100 pieces @ \$11,700 ea.

Note: Minimum purchase is required. Consult factory for quantities above 500 pcs annually.

	OUTPUT VOLTAGE (VDC)	OUTPUT AMPERS (MAX)	OUTPUT POWER (WATTS)
V1	5	105	525
V2	3.3	110	363
V3	12	12 (15Apk)	144
V4	-12	1	12
V5	+5VSB	2.5	12.5

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J2 ELCON DOUBLE DRAWER P/N: 293-0002-00100C	
PIN #	SIGNALS
1	+5VDC
2	GND
3	+3.3V
4	GND
5	+5V SENSE
6	+5V SENSE RTN
7	+3.3V SENSE
8	+3.3V SENSE RTN
9	GND
10	-12V
11	GND
12	+5V AUX
13	N/C
14	N/C
15	DC_ENABLE_L
16	N/C
17	POK_H
18	PS_IDD_L
19	PS_IDI_L
20	N/C
21	+3.3V I-SHARE
22	I2_CLK_L
23	I2_DATA_L
24	+5V I-SHARE
25	N/C
26	N/C
27	N/C
28	N/C
29	GND (PRESENT)
30	N/C
31	GND (PRESENT)
32	N/C
33	GND
34	N/C
35	N/C
36	N/C
37	+12V
38	+5V
39	GND



Nominal Input Voltage Frequency	115-240 VAC. 47-63 Hz , 400 Hz	Input/Output Isolation	4242 VDC, SELV construction.
Operational Input Voltage Range	90-264 VAC	Remote Sense (V1, V2 outputs)	Up to 0.5 volts total in load.
Inrush Current	Less than 4 msec 75 amperes @ 115 VAC or 150 amperes @ 230 VAC.	I-Share (+5V, 3.3V)	Single wire for active share programming.
Fusing	20 Ampere, 250 VAC, Internal ceramic body fuse.	DC_ENABLE_L	Active Low signal that turns on all outputs except +5VAux.
Hold up time	20msec minimum after loss of AC Input at full load and nominal input	5VAux	Standby voltage that may be used to power circuits that require power during the powered-down state of the power rails. First-On, Last-Off.
Efficiency	65% typical with OR diodes	POK_H	Power Good signal asserted high when +5V and +3.3V outputs are 95% of nominal. Timing characteristics meet ATX spec.
Turn on time	Less than 1 sec.	I²C	I ² C Bus, For power supply identification, monitoring and EPROM Format for storing power supply data. Consult factory for additional information.
Load Regulation	1% for 10% to 100% load change on all outputs. 5% min load required on V1, V2 to maintain regulation on V3-V4 outputs.	Operating Temperature	-20°C to 50°C full output 50°C to 75°C, derate 2% /°C
Line Regulation	0.1% over operating line range	Stability	0.5% for 8 hrs. after 1 hour warm-up.
Ripple & Noise	1% PARD or 100mv which ever is greater. 20MHz bandwidth.	Humidity	Up to 95% non-condensing.
Transient Response	All Outputs maximum excursion of $\pm 5\%$ for 25% load step. Recovery less than 500 μ sec.	EMI	Meets FCC Class A and EN 55022 Level A
Short Circuit and Overload Protection	All Outputs protected from short circuit and overload. Shut down until AC recycled.	Size	5"x6"x13" Weight: 17 lbs.
Overshoot	No turn-on or turn-off overshoot.		
Overvoltage Protection	All outputs excluding +5VAux. Unit shuts down.		
Overtemperature Protection	Unit shuts down if overheated except +5VAux. AC must be recycled to recover.		