

HS-1001

HOT SWAP - 1000 WATTS With Or'ing Diodes



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)

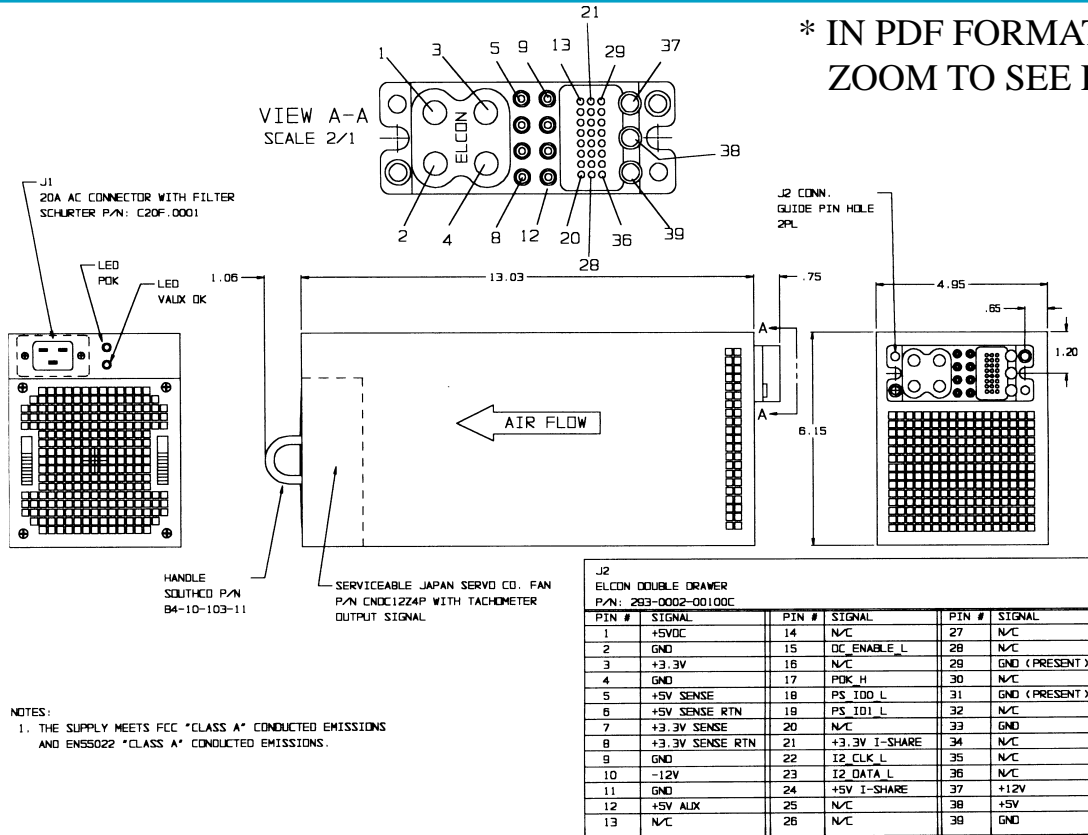
Greater than 150,000 Hrs MTBF (500,000 Hrs in Redundancy)



	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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* IN PDF FORMAT, PRINT OR ZOOM TO SEE DRAWING



Nominal Input Voltage	115-240 VAC.
Frequency	47-63 Hz , 400 Hz
Operational Input Voltage Range	90-264 VAC
Inrush Current	Less than 4 msec 75 amperes @ 115 VAC or 150 amperes @ 230 VAC.
Fusing	20 Ampere, 250 VAC, Internal ceramic body fuse.
Hold up time	20msec minimum after loss of AC Input at full load and nominal input
Efficiency	65% typical with OR diodes
Turn on time	Less than 1 sec.
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.
Line Regulation	0.1% over operating line range
Ripple & Noise	1% PARD or 100mv which ever is greater. 20MHz bandwidth.
Transient Response	All Outputs maximum excursion of ± 5% for 25% load step. Recovery less than 500 µsec.
Short Circuit and Overload Protection	All Outputs protected from short circuit and overload. Shut down until AC recycled.
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.

Input/Output Isolation	4242 VDC, SELV construction.
Remote Sense (V1, V2 outputs)	Up to 0.5 volts total in load.
I-Share (+5V, 3.3V)	Single wire for active share programming.
DC_ENABLE_L	Active Low signal that turns on all outputs except +5Vaux.
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.
POK_H	Power Good signal asserted high when +5V and +3.3V outputs are 95% of nominal. Timing characteristics meet ATX spec.
I²C	I ² C Bus, For power supply identification, monitoring and EPROM Format for storing power supply data. Consult factory for additional information.
Operating Temperature	-20°C to 50°C full output 50°C to 75°C, derate 2% /°C
Stability	0.5% for 8 hrs. after 1 hour warm-up.
Humidity	Up to 95% non-condensing.
EMI	Meets FCC Class A and EN 55022 Level A
Size	5"x6"x13" Weight: 17 lbs.