

XMP-600W

HOT SWAP - 600 WATTS
Meets ATX 2.01 Specifications



FEATURES:

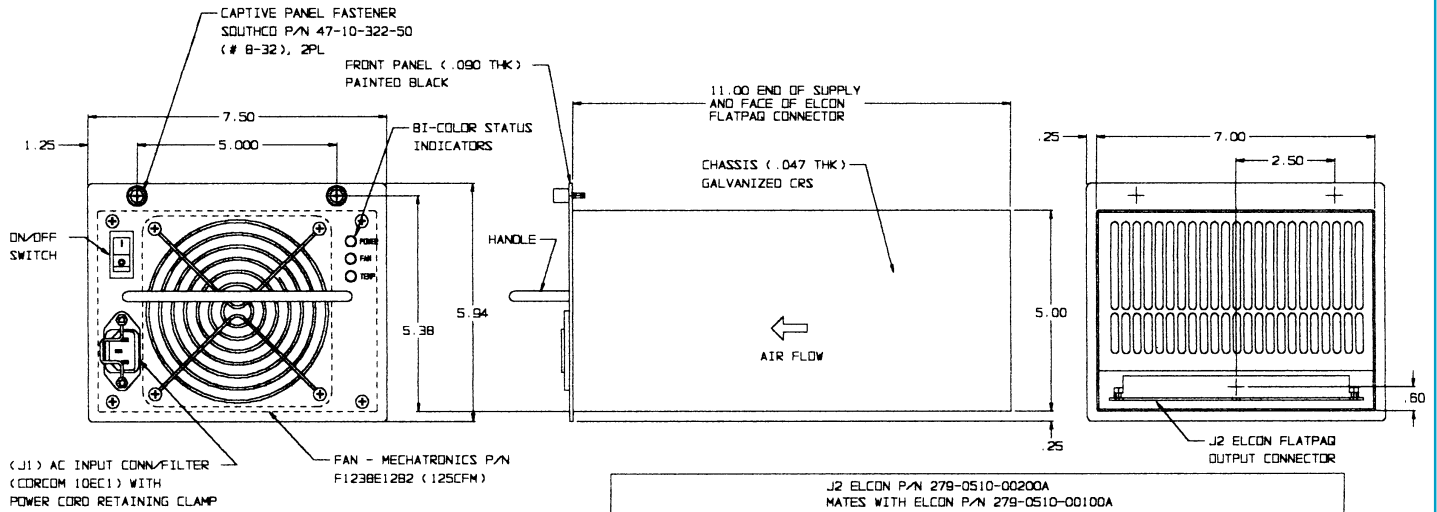
- Low Profile 5" x 7" x 11" in Size**
- N+1 Redundant and Hot Swap (Elcon Flatpaq Connector)**
- Consult Factory for Available Backplane Assembly**
- Fast and Easy Installation**
- Meets EN55022 Level A / FCC Class A**
- No Additional Cooling Required up to 50 °C**
- Power Factor Corrected Input (90-264VAC)**
- Active Current Share Capability on V1, V2 Outputs**
- Bicolor LED'S Included Indicates Power Supply Status (PG, Temp & Fan Status)**
- Greater than 150,000 Hrs MTBF (500,000 Hrs in Redundancy)**



	OUTPUT VOLTAGE (VDC)	OUTPUT AMPERS (MAX)	OUTPUT POWER (WATTS)
V1	5	50	250
V2	3.3	40	132
V3	12	25 (35Apk)	300
V4	-12	1	12
V5	-5	1	5
V6	+5VSB	1	5

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* IN .PDF FORMAT, PRINT OR ZOOM TO SEE DRAWING



J2 ELCON P/N 279-0510-00200A MATES WITH ELCON P/N 279-0510-00100A			
1	PG_H	13	GND
2	I-SHARE (+3.3V)	14	GND
3	I-SHARE (+5V)	15	GND
4	TEMP_OK_H	16	GND
5	PWR_OK_H	17	-12V/1A
6	FAN_OK_H	18	PS_ON
7	N/C	19	+5V_3B
8	PWR_SENSE_3.3V (+S2)	20	-5V/1A
9	GND	21	N/C
10	GND	22	PWR_SENSE_5V (+S1)
11	GND	23	PWR_SENSE_GND (-S1) (+5V)
12	GND	24	PWR_SENSE_GND (-S2) (+3.3V)
		25	+12V/25-35A PK
		26	GND
		27	+3.3V/40A
		28	+3.3V/40A
		29	GND
		30	GND
		31	GND
		32	GND
		33	GND
		34	+5V/50A
		35	+5V/50A
		36	+5V/50A

Nominal Input Voltage	115-240 VAC.
Frequency	47-63 Hz , 400 Hz available
Operational Input Voltage Range	90-264 VAC
Inrush Current	Less than 4 msec 40 amperes @ 115 VAC or 80 amperes @ 230 VAC.
Fusing	15 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 to maintain regulation on V3-V5 outputs.
Line Regulation	0.1% over operating line range
Ripple & Noise	1% PARD or 50mv 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. Automatic recovery.
Overshoot	No turn-on or turn-off overshoot.
Overvoltage Protection	All outputs including +5VSB. Unit shuts down.
Overtemperature Protection	Unit shuts down if overheated. 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.
PS_ON	Active Low signal that turns on all outputs except +5VSB.
5VSB	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.
PWR_OK	Power Good signal asserted high when all outputs are 95% of nominal. Timing characteristics meet ATX spec.
TEMP_OK_H	Monitors internal heatsink temperature. Provides high signal when supply is operating within 'Normal' temperature limits. Goes low 5°C prior to unit shutting down. Drives Bicolor TEMP LED.
FAN_OK_H	Monitors internal fan, provides high signal whenever fan operating properly. Drives bicolor FAN Led.
PG_H	Additional Power Good signal, drives bicolor POWER Led.
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"x7"x11" Weight: 15 lbs.