

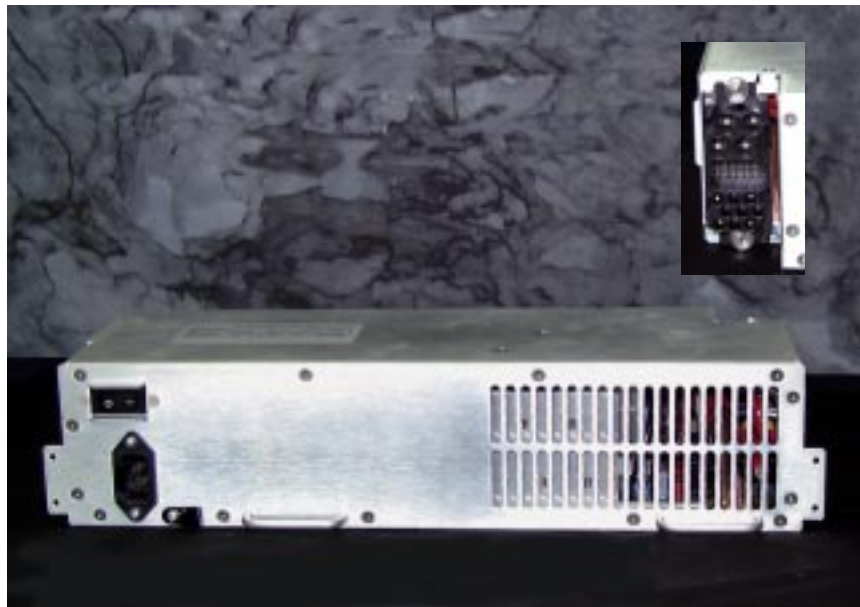
# HY-500HP

# HOT SWAP 500 WATTS

UNIVERSAL INPUT POWER FACTOR CORRECTED (90-264VAC)

MADE IN THE U.S.A.

VISIT US ON THE WEB AT <http://www.switchpwr.com>



	OUTPUT VOLTAGE (VDC)	OUTPUT AMPERS (MAX)
V1	5	100
V2	12	6
V3	48	2

### FEATURES:

- 100 KHz Operation
- Sizes 3.5" x 5.63" x 16.19"
- 70% Efficiency Typical
- Meets EN55022 Level A / FCC Class A
- Power Factor Corrected, Universal Input 90-264 VAC : Meets EN 60555-2
- N+1 Redundancy with built-in oring diodes
- Greater than 90,000 Hrs MTBF (500,000 Hrs in Redundancy)
- Current Share signal provided
- ON/OFF Switch
- IEC input connector and ELCON Hot Swap output connector for fast and easy installation

#### EAST COAST:

3601 VETERANS HIGHWAY  
RONKONKOMA, NEW YORK 11779  
TEL (516) 981-7231 FAX (516) 981-7266

#### WEST COAST:

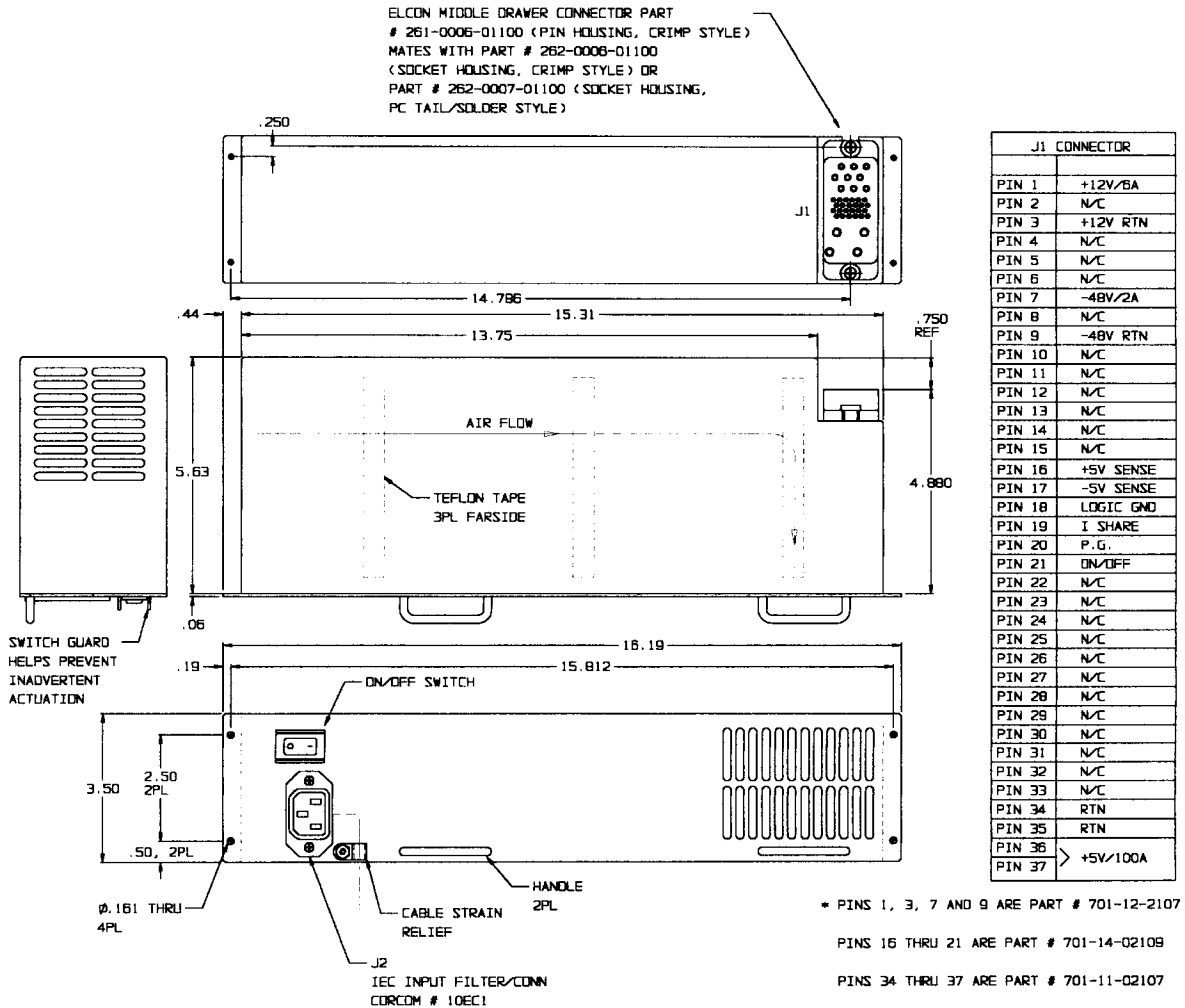
599 N. MATHILDA AVENUE  
SUNNYVALE, CALIFORNIA 94086  
TEL (408) 732-1230 FAX (408) 732-5712



# HY-500HP

## POWER FACTOR CORRECTED HOT SWAP 500 WATTS

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



<b>Nominal Input Voltage</b>	115-240 VAC.
<b>Frequency</b>	47-63 Hz 400Hz. available.
<b>Operational Input Voltage Range</b>	90 to 264 VAC
<b>Inrush Current</b>	Less than 40 A for 4 msec. @ 115 VAC, or 80 amperes @ 230 VAC.
<b>Fusing</b>	10 Ampere, 250 VAC, Internal ceramic body fuse.
<b>Efficiency</b>	70% typical.
<b>Turn on time</b>	Less than 500 msec.
<b>Load Regulation</b>	1% for 10% to 100% load changes, all outputs. 10% min. load required on V1 for max load reg. on outputs V2 to V3.
<b>Line Regulation</b>	± 0.5% over operating line range, all outputs.
<b>Ripple &amp; Noise</b>	1% ripple, 1% noise or 100MV which ever is greater. 20MHz bandwidth.
<b>Transient Response</b>	Output maximum excursion of ± 5% for 25% load step. Recovery less than 500 μsec.
<b>Short Circuit and Overload Protection</b>	All outputs are protected from short circuit and overload. Automatic recovery.

<b>Overshoot</b>	No turn-on or turn-off overshoot.
<b>Overvoltage Protection</b>	V1 voltage clamp factory set at 20% to 30% above output voltage. V2, V3 failsafe design.
<b>Overtemperature Protection</b>	Unit shuts down if overheated. Automatic recovery.
<b>Cooling</b>	Equipped with integral fan.
<b>Input/Output Isolation</b>	4242 VDC, SELV construction.
<b>Remote Sense V1 Output</b>	Up to 0.5 volts total in load.
<b>Remote On/Off Power Good</b>	Standard - open to run. Standard - Norm logic "1"
<b>Operating Temperature</b>	-20°C to 50°C full output. 50°C to 75°C, derate 2%/°C.
<b>Stability</b>	All outputs 0.5% for 8 hrs. after 1 hour warm-up.
<b>Humidity</b>	Up to 95% non-condensing.
<b>EMI</b>	Meets FCC Class A and EN55022 Level A
<b>Size</b>	3.5" by 5.63" x 16.9".
<b>Weight</b>	14 lbs.