

# XY150DC

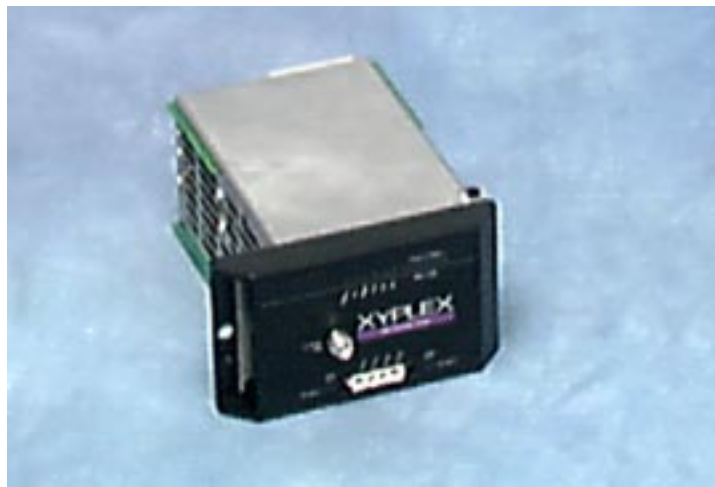
# HOT SWAP

## 150 WATTS

## Dual -48 VDC Inputs

MADE IN THE U.S.A.

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	OUTPUT VOLTAGE (VDC)	OUTPUT AMPERS (MAX)
V1	5	20
V2	12	4
V3	-12	3

### FEATURES:

100 KHz Operation

Sizes 5.96" x 3.47" x 7.55"

70% Efficiency Typical

Meets EN55022 Level A / FCC Class A

Dual -48VDC Inputs for redundancy

N+1 Redundancy with built-in oring diodes

Greater than 90,000 Hrs MTBF (500,000 Hrs in Redundancy)

Current Share signal provided

Input /Output connectors for fast and easy installation

The supply contains a microcontroller assembly which is used to gather raw information pertaining to the operational status of the power supply, process this information, and pass status to both the LED array (located on the front panel) and the system bus. See details on back.

#### 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

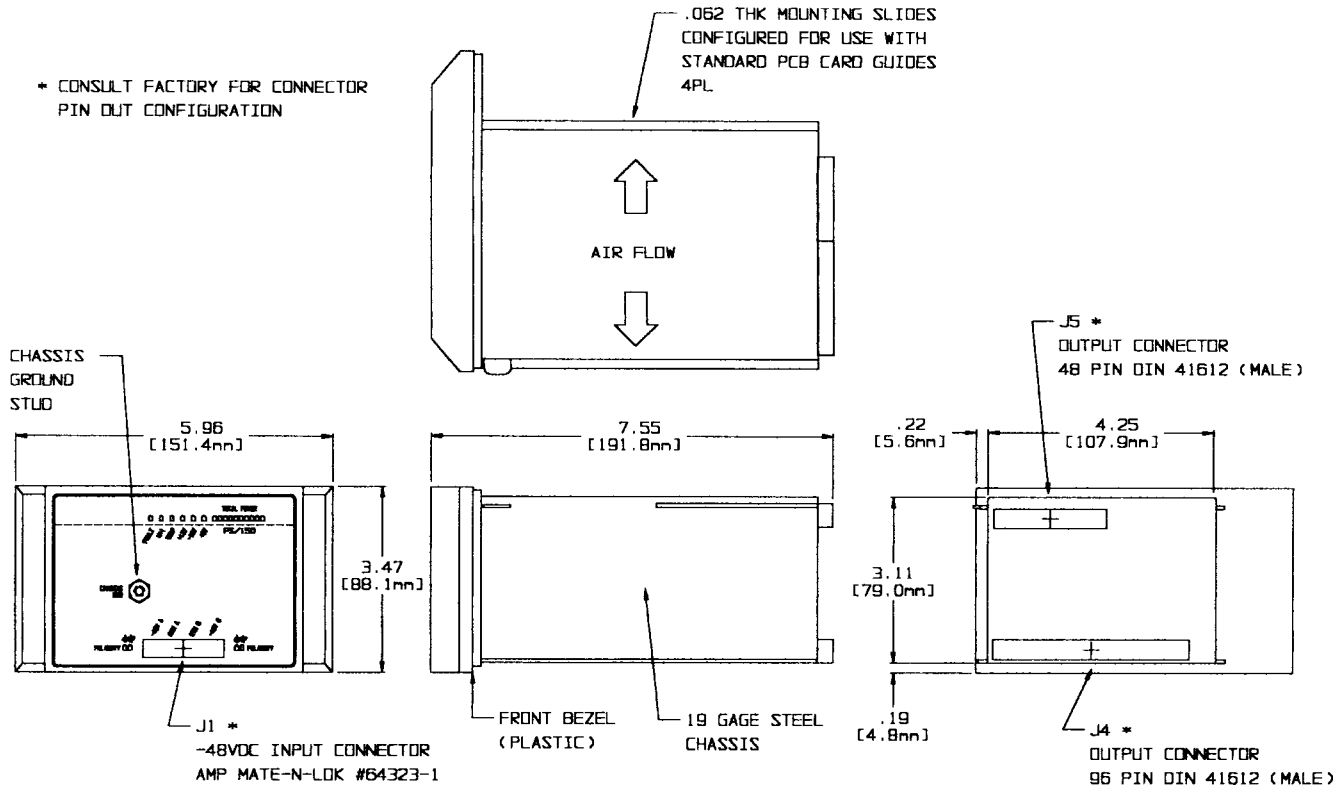
TEL (408) 732-1230 FAX (408) 732-5712



# XY150DC

## -48VDC INPUT HOT SWAP 150 WATTS

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



<b>Nominal Input Voltage</b>	2 x -48 VDC	<b>Overvoltage Protection</b>	OVP shutdown on all outputs.
<b>Operational Input Voltage Range</b>	-40 to -75 VAC (140V transients for 10 sec.)	<b>Overtemperature Protection</b>	Unit shuts down if overheated. Automatic recovery.
<b>Inrush Current</b>	Less than 50 A for 5 usec.	<b>Cooling</b>	User provides min 20 CFM
<b>Fusing</b>	8 Ampere, 250 VAC, Internal ceramic body fuse.	<b>Input/Output Isolation</b>	2828 VDC, SELV construction.
<b>Efficiency</b>	70% typical.	<b>Remote Sense V1 Output</b>	Up to 0.5 volts total in load.
<b>Turn on time</b>	Less than 500 msec.	<b>Operating Temperature</b>	-20°C to 50°C full output. 50°C to 75°C, derate 2%/°C.
<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>Stability</b>	All outputs 0.5% for 8 hrs. after 1 hour warm-up.
<b>Line Regulation</b>	± 0.5% over operating line range, all outputs.	<b>Humidity</b>	Up to 95% non-condensing.
<b>Ripple &amp; Noise</b>	1% ripple, 1% noise or 100MV which ever is greater. 20MHz bandwidth.	<b>EMI</b>	Meets FCC Class A and EN55022 Level A
<b>Transient Response</b>	Output maximum excursion of ± 5% for 25% load step. Recovery less than 500 µsec.	<b>Safety</b>	UL 1950, CSA C22.2 No. 950, EN 60950
<b>Short Circuit and Overload Protection</b>	All outputs are protected from short circuit and overload. Automatic recovery.	<b>Size</b>	5.96" by 3.47" x 7.55".
<b>Overshoot</b>	No turn-on or turn-off overshoot.	<b>Weight</b>	4 lbs.

The power supply contains a front panel display which consists of a LED array which is driven by the microcontroller and conveys the status of the supply. One of the LEDs in the array is amber and indicates a FAULT condition. An N+1 LED is green and indicates that the supply is in redundant mode. A TEMP LED, which is green turns OFF whenever the ambient temp exceeds 55°C. The LED display also consists of one green LED per output. When an output is working within its normal mode of operation, its appropriate LED will be turned ON. When an output goes out of limit, the appropriate LED will be turned OFF and the FAULT LED will be turned ON. Also, each supply displays its total delivered power using a ten segment bar graph indicator. This indicator is a linear representation of the total output power being delivered. There are two red LEDs to signify the respective -48V feed input polarity is reversed. There are two green LEDs to signify the respective -48V feed input polarity is correct.