



# MicroComm DXI

PSU-530

N+1 Redundant Power Supply

## Description

The PSU-530 N+1 Redundant Power Supply, used to power a DXI system card cage can provide up to 32 amperes at  $\pm 12$  Vdc. The N+1 Redundant Power Supply is constructed in a modular fashion with 6 individual 12 Vdc 16A power supply units pre-wired to provide  $\pm 12$  Vdc. The extra current capacity ensures uninterrupted power in case one of the units fails. The PSU-530 mounts in a standard 19" equipment rack and includes status indicators, and output stabilization and protection circuitry.

## Features

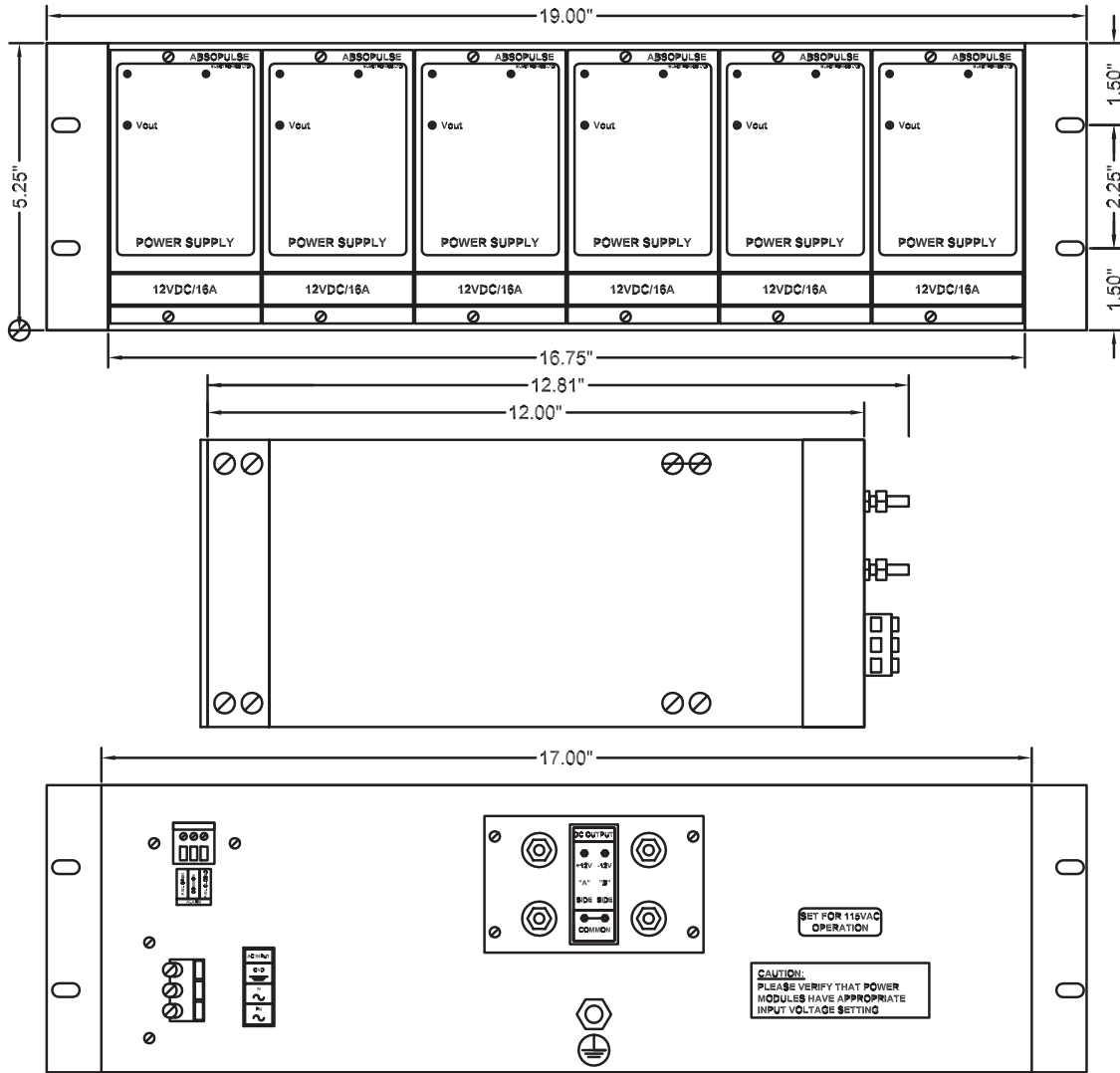
- high efficiency switching power supply
- modular structure provides uninterrupted power if one unit fails
- each unit has a LED that indicates operational status
- internal line fuse
- over load protection
- over voltage protection
- form C relay contacts provide alarm output if any unit fails



## Specifications

Physical	3U rack mount 5.25" H x 19" W x 14" D (134 x 483 x 356 mm)
Environmental	
Operating Temperature	32 to 122 °F (0 to 50 °C)
Storage Temperature	-40 to 158 °F (-40 to 70 °C)
Humidity	0 to 95 % non-condensing
Input	115 VAC $\pm 15\%$ 15 A (47-63 Hz)
Output	$\pm 12$ Vdc 48 A max, or $\pm 12$ Vdc 32 A max with redundancy
Voltage Regulation	$\pm 1\%$ combined
Efficiency	80% min at full load
Ripple	120 mV peak to peak
Field Connections	
Input	screw terminal block
Output	terminal lugs
RFI Suppression	FCC 20780 Class A and EN 55022 Class A conducted emissions
Standards	UL 60950-UL CAN/CSA C22.2 No. 60950-00 Standards for Safety Information Technology Equipment

# Mechanical



## Ordering Information

Part number PSU-530-A

- A ±12VDC supply
- 3 ±12VDC/48A supply (32A with redundancy)

