



# MicroComm DXI

PSU-510

N+1 Redundant Power Supply

## Description

The PSU-510 N+1 Redundant Power Supply is used to power a DXI system card cage provides up to 30 amperes at  $\pm 12$  Vdc to power a DXI system card cage. The N+1 Redundant Power Supply is constructed in a modular fashion with 6 individual 15A power supply units pre- to provide  $\pm 12$  Vdc. The extra current capacity ensures uninterrupted power in case one of the units fails. An optional +24VDC/7.5A power supply (either with or without redundancy) can be used to power master stations. The PSU-510 mounts in a standard 19" equipment rack and includes status indicators, and output stabilization and protection circuitry.

## Features

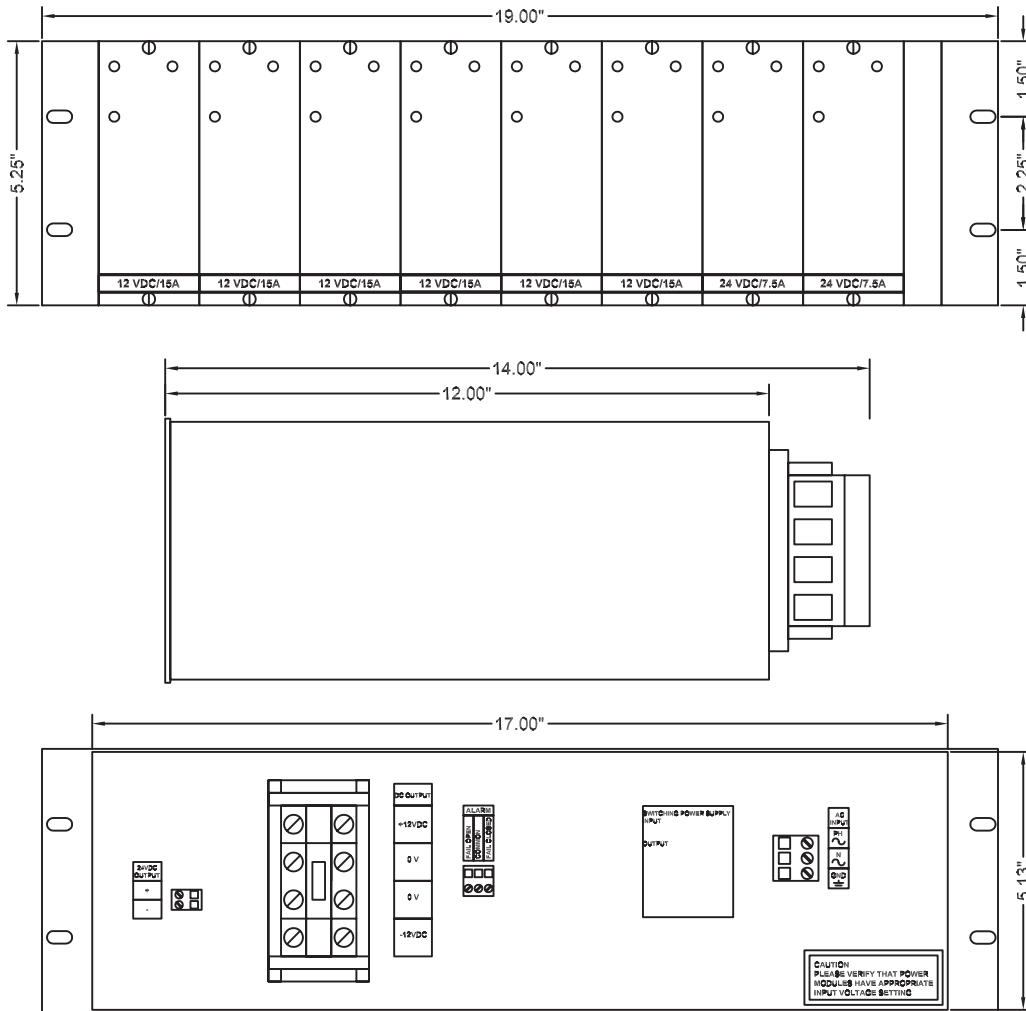
- high efficiency switching power supply
- modular structure provides uninterrupted power if one unit fails
- optional +24 volt supply
- each unit has an LED that indicates operational status
- internal line fuse
- over load protection
- over voltage protection
- form C relay contacts provide alarm output 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 max
Output	$\pm 12$ Vdc, 30 A max +24 Vdc, 7.5 A max (optional)
Voltage Regulation	$\pm 3\%$ from 10% to 100% load
Efficiency	85% at full load
Ripple	100-mV peak to peak
Field Connections	
Input	screw terminal block
Output	terminal blocks
Standards	FCC Part 15, UL, CSA

# Mechanical



## Ordering Information

Part number PSU-510-AB

- A ±12VDC supply
- 3 ±12VDC/45A supply (30A with redundancy)
- B +24VDC supply
- 0 none
- 1 +24VDC/7.5A supply
- 2 +24VDC/15A supply (7.5A with redundancy)