



PS-250 Series

POWER SUPPLY UNIT FOR NEMA CABINETS

The ideal power source when using high current devices such as video detection cards.

FEATURES

- +12 VDC rated at 5 Amps
- +24 VDC rated at 3 Amps
- 12 VAC rated at 0.25 Amps
- 60 Hz Line Frequency Reference rated at 50 mAmps
- Input Voltage Operating Range is 89 Vac to 135 Vac at 50/60 Hz
- Meets / exceeds all requirements of the NEMA TS2-2016 Standard

HIGHLIGHTS

- Power Factor Corrected
- Display Indicators
- Test Points
- Output Protection
- Compact Size



NEMA CABINET COMPATIBLE

Basic Functions

The PS-250 Cabinet Power Supply is a shelf mounted unit which supplies regulated DC power, unregulated AC power, and a line frequency reference for the Detector Rack, BIUs, load switches, and other auxiliary equipment. The PS-250 meets and/or exceeds all requirements of the NEMA TS2-2016 Standard. All TS-2 Type 1 cabinet assemblies require the use of this unit as well as any TS-2 Type 2 cabinet assemblies that utilize Bus Interface Units (BIU). The PS-250 provides four outputs rated over the full -30°F to 165°F (-34°C to +74°C) NEMA operating temperature range.

Display Indicators

A separate LED indicator is provided to display output status and fuse integrity for the four supply outputs. The Line Frequency Reference LED indicator pulses to show 60 Hz activity.

Test Points

Individual test jacks are provided for the +12 VDC output, +24 VDC output, and Logic Ground reference.

Output Protection

The +12 VDC, +24VDC, and 12 VAC outputs are fused for over-current protection. Each output is protected against voltage transients by a 1500 Watt suppressor.



Dimensions

6.0 inches High x 4.0 inches Wide x 8.4 inches Deep

Input / Output Pins

Pin	Function
A	AC Neutral
B	Line Frequency Reference Output
C	AC Line Input
D	+12 VDC Output
E	+24 VDC Output
F	Reserved
G	Logic Ground
H	Earth Ground
I	12 VAC Output
J	Reserved

Model Options

Model	Input Voltage
PS-250	AC Line Input 80-135 VAC
PS-250-225	AC Line Input 160-270 VAC