

# PS-2216

## High Efficiency ATC Cabinet Power Supply

The EDI **PS-2216 Series** is a 19" rack mounted high power supply (175 watts) for the Advanced Transportation Controller Cabinet (ATCC). The compact 1U height unit is designed to save important front rack space.

The **PS-2216 Series** uses modern switching technology and provides full output regulation across changes in AC Line voltage and output load over the full operating temperature range of -34C to +74C without the need for a fan. Power Factor Correction is also provided.

The 12VDC output is intended to power the Input Assemblies (detection), and can help save wasted power when operating many types of detectors at 24 Vdc.

- PS-2216-2412-HV      48VDC @1 Amp, 24VDC @5 Amp, and 12VDC @5 Amp (See Note#1)
- PS-2216-24-HV      48VDC @1 Amp, 24VDC @5 Amp



### PS-2216 OPERATIONAL FEATURES

**Basic Functions:** The PS-2216-2412 provides 175 watts total power with a 48 Vdc auxiliary output, and two fully isolated 24 Vdc And 12 Vdc outputs over the full -34°C to +74°C NEMA operating temperature range.

- 5 Amp Maximum Load Current capability for each isolated 24Vdc or 12Vdc output
- 1 Amp Maximum Load Current for the 48 Vdc internal cabinet supply
- Note #1: Total combined Output DC power (24Vdc+12Vdc+48Vdc) must be limited to 175 watts.
- Full Output Regulation +/- 2% over line and load
- High Efficiency
- Power Factor Corrected

**Display Indicators:** Separate green LED indicators display AC input status, DC output status and associated fuse integrity.

**Input Voltage Operating Range:** 80 Vac to 270 Vac at 60 or 50 Hz

**Power Factor Corrected (PFC):** A Power Factor Correction circuit ensures a full load power factor of 0.98 or better, reducing peak AC Line input current and associated stress on wiring. Inrush current limited.

**Output Protection:** The outputs are fused for over-current protection. The outputs are also protected against voltage transients by a 1500 Watt suppressor.

**Output Connector Pins:** Phoenix Contact 1825161 (mates with 1825352 male harness plug)

Pin	Function	Pin	Function
1	+48VDC	3	+24VDC
2	48VDC Ground	4	+12VDC
6	Earth Ground	5	24/12 VDC Ground

**Dimensions:** 1.75 inches High x 19.0 inches Wide x 7.5 inches Deep

#### EBERLE DESIGN INC.

3510 East Atlanta Avenue  
Phoenix, AZ 85040 USA  
www.EDItraffic.com

Tel (480) 968-6407  
Fax (602) 437-1996

