



PS-2248

POWER SUPPLY UNIT FOR ATC CABINETS

Intended for use in a Low Voltage (LV) version of the ATC Cabinet where the Output Assembly and field signals are powered at 48VDC.

FEATURES

- 8 Amp Maximum Load Current for the 48 Vdc output
- 5 Amp Maximum Load Current capability for the 24Vdc output
- Total combined Output DC power (24Vdc+48Vdc) must be limited to 450 watts
- Full Output Regulation +/- 2 Vdc over line and load

HIGHLIGHTS

- High Efficiency
- Power Factor Corrected
- Display Indicators
- Output Protection
- 1U Height Saves Rack Space



ATC CABINET COMPATIBLE

Basic Functions

The EDI PS-2248 Series is a 19" rack mounted high power supply for the Advanced Transportation Controller Cabinet (ATCC). The PS-2248 provides 450 watts total power with a 48 Vdc main output and a fully isolated 24 VDC output over the full -34°C to +74°C NEMA operating temperature range without the need for a fan.

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

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.

Dimensions

1.75 inches High x 19.0 inches Wide x 7.5 inches Deep.



Output Connector Pins

Phoenix Contact 1825161 (mates with 1825352 male harness plug).

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

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