

# Model 216EP

## High Efficiency ITS Cabinet Power Supply

The EDI **Model 216EP Series** is a 19" rack mounted power supply for the ITS Cabinet. The 2U height unit is intended to be mounted in the rear of the cabinet rack in order to save important front rack space.

The **Model 216EP Series** uses modern switching technology to replace the energy wasteful ferro-resonant technology of the Model 216. The **Model 216EP Series** provides full output regulation across changes in AC Line voltage and output load over the full operating temperature range of -34C to +74C. No load current derating is necessary. Power Factor Correction is also provided.

- Model 216EP-2412 provides both a 24VDC 5 Amp output and an independent 12VDC 5 Amp output
- Model 216EP-24 provides only a single 24VDC 5 Amp output



### MODEL 216EP OPERATIONAL FEATURES

**Basic Functions:** The Model 216EP-2412 provides a regulated 24 Vdc at 5 Amps and an independent and isolated 12 Vdc at 5 Amps over the full -34°C to +74°C (-30°F to 165°F) operating temperature range.

- 5 Amp Maximum Load Current for each 24Vdc or 12Vdc output
- Full Output Regulation +/- 2% over line and load
- High Efficiency
- Power Factor Corrected
- The Model 216EP-24 only provides a 24Vdc output

**Display Indicators:** Separate green LED indicators are provided to 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 output is fused for over-current protection. The output is also protected against voltage transients by a 1500 Watt suppressor.

**Connector Output Pins:** DC Connector intermates with Beau S-5404 or equivalent:

Model 216EP-24

Pin	Function	Pin	Function
13	+24VDC	14	+24VDC
15	DC Ground	16	DC Ground

Model 216EP-2412

Pin	Function	Pin	Function
13	+12VDC	14	+24VDC
15	+12VDC Ground	16	+24VDC Ground

**Dimensions:** 3.5 inches High x 19.0 inches Wide x 7.25 inches Deep

**High Efficiency:** With a 2.5 Amp load the Model 216EP-24 can save an agency over 267 kWh of energy per year, resulting in a typical savings of \$27 per cabinet annually (@ \$0.10/kWh cost), when compared to a ferro-resonant Model 216.

Load	Model 216	Model 216EP
1 Amp	43%	75%
2.5 Amp	60%	84%
5 Amp	69%	86%

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