

# Model 206L

## High Efficiency Power Supply

### Plug-in Replacement for Caltrans Model 206

#### ▪ CALTRANS QPL APPROVED



The EDI **Model 206L** is plug-in compatible with the Caltrans PDA #2 and PDA #3 found in 332 and 336 type cabinets using a Model 206 cabinet power supply. The **Model 206L** uses modern switching technology to replace the energy wasteful ferro-resonant technology of the Model 206.

The **Model 206L** provides full output regulation across changes in AC Line voltage and output load over the full operating temperature range of -34C to +74C. Power Factor Correction is also provided.

- Caltrans QPL, TEES 2009 Compliant

## MODEL 206L OPERATIONAL FEATURES

**Basic Functions:** The Model 206L provides a regulated 24 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
- ☑ Full Output Regulation +/- 2% over line and load
- ☑ High Efficiency
- ☑ Power Factor Corrected
- ☑ Plug-in replacement for Caltrans Model 206

**Display Indicators:** Separate green LED indicators are provided to display AC input status, 24VDC 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 Input / Output Pins:** Intermates with Beau S-5406 or equivalent:

Pin	Function	Pin	Function
7	+24VDC Output	10	No Connect
8	DC Ground	11	AC Neutral
9	Equipment Ground	12	AC Line +

**Dimensions:** 6.0 inches High x 5.5 inches Wide x 7.5 inches Deep excluding handle.

**High Efficiency:** With a 2.5 Amp load the Model 206L will 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 Caltrans Model 206.

Load	Model 206	Model 206L
1 Amp	43%	75%
2.5 Amp	60%	84%
5 Amp	69%	86%

## EBERLE DESIGN INC.

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

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

