



Model 206S

High Efficiency Power Supply

Plug-in Replacement for Caltrans Model 206

The EDI **Model 206S** 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 206S** uses modern switching technology to replace the energy wasteful ferro-resonant technology of the Model 206.

The **Model 206S** 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.

MODEL 206S OPERATIONAL FEATURES

Basic Functions: The Model 206S 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: 6.12 inches High x 5.5 inches Wide x 7.5 inches Deep excluding handle. Designed for card guides top and bottom.

High Efficiency: With a 2.5 Amp load the Model 206S 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 206S
1 Amp	43%	75%
2.5 Amp	60%	84%
5 Amp	69%	86%

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