

Power For The New Technology

PS2365

Total Power	150 Watts
Input Voltage	36-75 VDC
Output	12V

SPECIAL FEATURES

- 36-75 VDC input
- UL, CSA, TUV, BABT Recognized
- Enable control (active low)
- EN55022 Class B
- N+1 Redundant
- Hot pluggable
- Accurate current sharing utilizing droop sharing method

ENVIRONMENTAL

Ambient Operating Temperature: 0 to +50°C, full rating.

Humidity: Up to 95% non-condensing

Temperature coefficient: $\pm 0.01\%$ / °C

Storage Temperature: -20° to +85°C

Cooling: Internal cooling by one 10 CFM fan.



ELECTRICAL SPECIFICATIONS

Input

Input.....36-75 VDC

Inrush Current (75 VDC).....<30 Amps peak
Isolation.....4242VDC (Input to Output)

Susceptibility specifications:

Complies with EN55022 & FCC Class B with minimum 6 dB margin

Efficiency.....> 75% typical at full load

Output

DC Output.....Maximum continuous output power
150 Watts with internal cooling. See Voltage/Current Rating
Chart.

Line / Load Regulation.....2% (total)
Ripple and Noise < 100mV typical

Transient Response...2% Maximum deviation;
Current Sharing; Droop circuitry.

MECHANICAL

6.5" L X 1.64" H X 3.3" W (165.1 mm X 41.7 mm X 83.8 mm)

Input connector: Weco P/N: 970-B-2.8-DS/03

Output connector: 10 pin Molex P/N: 15-06-0101 or equivalent

Status signals and indicators

DC OK (active high), PS PRESENT (active low)
Input OK (active high), DC input (active low)

Visual LED indicators identify power supply status.
The indicator is DC OK



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Output

Over voltage protection 115% (Latching)
Over current protection 120% (Latching)

Over temperature protection reset with hysteresis

Short Circuit Protection.....Will withstand a continuous short without damage.

Minimum Load Rqmt.....No minimum load requirement

No Load Operation.....No damage to supply when operating at no load.

Hold-Up Time.....3 mSec typical

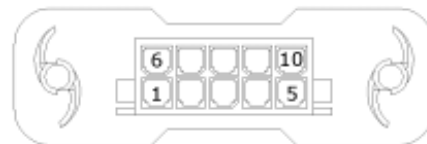
OVP.....13.8 V typical

Voltage/Current Rating Chart

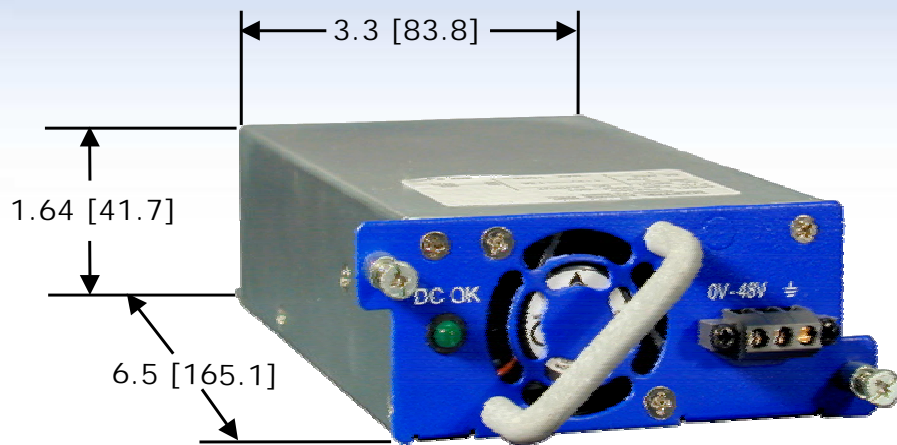
Voltage	Minimum	Maximum
12V	11.78V	12.24V
Current	0A	13A

Output Connector PIN out Assignment

Description	PIN
Enable	1
+12V	2, 7
12V RTN	3, 8
DC-OK	4
AC-OK	5
OVP Test	9
PS PRESENT	6
DC Input	10



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Rev 1