

PS2341 1U Height

Input Voltage	90-264
Total Power	600 Watts
Output	48V

SPECIAL FEATURES

- Power Density > 6.6W/ cu in
- 90-264 VAC input with under voltage lockout
- Active PFC compliant to EN61000-3-2
- Fits 1U and 3U applications
- UL, CSA, BABT Recognized, CE CB (pending)
- Hot Pluggable
- Fully protected

ENVIRONMENTAL

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

Humidity: Up to 95% non-condensing

Storage Temperature: -20° to +85°C

Temperature coefficient: ±0.01% / °C

Cooling: Three 15 CFM fans, air flow from front to back.



ELECTRICAL SPECIFICATIONS

Input

Input.....90 -264 VAC; 47-63Hz;
Power Factor >0.99

Inrush Current (264 Vac).....< 60A peak
Isolation.....4242VDC (Input to Output)

Susceptibility specifications:

EN 61000-3-2 AC Input line harmonic limits
Complies with EN55022 & FCC Class A with minimum 12 dB margin

Efficiency.....77% min.

Output

DC Output.....Maximum continuous output power 600W

Line / Load Regulation.....< 1%

Ripple and Noise < 1% of output voltage

Transient Response...2% Maximum deviation; Current sharing;
Third Wire.

With isolation OR-ing diode

Remote Sense.....Up to 0.5V total drop.

MECHANICAL

1.68" H X 5.0" W X 10.75" L (43mm X 127 mm X 273 mm)

Input / Output Connector.....36 Pin Molex connector

Weight: < 5 lbs

Status signals and indicators

PS Present

DC Power Good – Logic high (isolated)

AC Fail Warning – Logic high (isolated)

Visual LED indicators identify power supply status.

The indicators are:

AC/DC Warning

DC Good

Remote On/Off – Logic low

PS MOLEX CONNECTOR PIN ASSIGNMENT

Output

Over voltage protection – (Latching)

Over current protection (Hiccup)

Over temperature protection.

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

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

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

Hold-Up Time.....24 mSec typical

OVP.....110%V typical

Voltage/Current Rating Chart

12V Output	Minimum	Maximum
Voltage	47.94V	48.03V
Current	12.5A	0A

DESCRIPTION	PIN
Line Ground	1, 19
Line	5, 23
Neutral	3, 21
+48V	16, 17, 18, 34, 35, 36
+48V RTN	12, 13, 14, 30, 31, 32
AC FAIL	27
DC OK	29
PS Present	28
Remote On/Off	11
System GND	10
Share PIN	26
48VS+	9
Sense RTN	8
Internal use for OVP	15
N.U.	2, 4, 6, 7, 20, 22, 24, 25, 33



Power For The New Technology

