

## PS2332

Total Power	2500 Watts
Input Voltages	180-264 VAC
Outputs	48V @ 52.1A

### SPECIAL FEATURES

- Power factor >0.99
- 180-264 VAC input with under voltage lockout
- UL, CSA, TUV, BABT (pending)
- Efficiency >89%
- Redundant system with Oring diodes and Third Wire current sharing
- 11.8W/ cu in. fits 2U applications
- Self cooling (internal fan)
- Remote sensing

### 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: One 62 CFM fan. Air flow front to back.



### ELECTRICAL SPECIFICATIONS

#### Input

Input.....180 - 264 VAC; 47-63Hz;  
Power Factor >0.99

Inrush Current (264 Vac).....25 Amps 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 6 dB margin

Efficiency.....> 89% typical at full load

#### Output

DC Output.....Maximum continuous output power  
2500 Watts with internal cooling. See Voltage/Current Rating  
Chart.

Load Regulation.....0.5% (total)

Ripple and Noise < 200mV typical

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

### MECHANICAL

13.1" L X 3.3" H X 5.4" W (332 mm X 83 mm X 137 mm)

#### Status signals and indicators

DC Good

AC Good

Visual LED indicators identify power supply status.

The indicators are:

AC Good

DC Good

# Power For The New Technology

## Output

Over voltage protection – (Latching)  
Over current protection

Over temperature protection. (Latching)

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

Minimum Load Rqmt.....0% of full load main output.

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

Hold-Up Time.....20 mSec typical

OVP.....59 V typical

## Voltage/Current Rating Chart

Voltage	48V	48V
Current	52A	0A

## Topologies

PFC, boost converter (66 kHz)

Phase shifted, ZVS full bridge (96 kHz)

