

PS2384

Total Power	50 Watts
Input Voltage	100-480 VAC +/- 10%
Output	50.4W

SPECIAL FEATURES

- 100-480 VAC +/- 10% input
- IEEE C62.41 category C (overvoltage class C environments)
- Hybrid surge suppression
- Line filters
- EN55022 Class B EMI
- Gas discharge tubes/spark gaps and MOV's
- CC Class dual fusing
- Designed for harsh environment
- - 40°C to +70°C operating temperature
- Can be mounted in a fully enclosed chassis with baseplate
- EN60950 and UL 1449 compliant

ENVIRONMENTAL

Ambient Operating Temperature: - 40 to +70°C continuous duty, full rating.

Humidity: Up to 95% non-condensing

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

Storage Temperature: - 50° to +85°

Cooling: Convection cooled



ELECTRICAL SPECIFICATIONS

Input

Input.....100 - 480 VAC +/- 10%; 50-60Hz;

Inrush Current (264 Vac).....<30 Amps peak
Isolation.....4242VDC (Input to Output)

Susceptibility specifications:

EN 61000-3-2 AC Input line harmonic limits

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

Efficiency.....> 70% typical at full load

Output

DC Output.....50W; Maximum continuous output power.

See Voltage/Current Rating Chart.

Line / Load Regulation... ..2%

Ripple and Noise < 1% typical

Transient Response...2% Maximum deviation

MECHANICAL

7.38" L X 1.265" Max/ 1.245" Min H X 5.71" W
(187.5 mm X 32.1 mm/ 31.6 mm X 145.2 mm)

Single board – can be mounted in an enclosure with thermal boss

Input connector: Fast_On Zierick P/N 906

Output connector: Molex Mini Fit P/N 43879-0023

Status signals and Indicators:

AC FAIL

Active Low

Open Drain

Output

Over voltage protection 130% (Hiccup)

Over current protection 130% (Hiccup)

Over temperature protection reset with hysteresis

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

Minimum Load Rqmt.....See Voltage/Current chart.

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

Hold-Up Time.....6 mSec typical

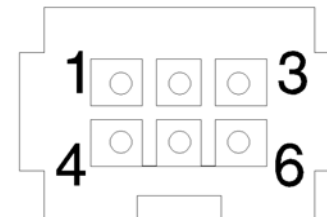
Voltage/Current Rating Chart

Voltage	Current Minimum	Current Maximum
* 9V	0	5.6A

* Can be adjusted up to 12V @ 5A

OUTPUT CONNECTOR PIN ASSIGNMENT

Description	PIN
9V RTN	1,4
NC	2
+9V	3,6
AC-OK	5



VIEW FROM BOTTOM
OF BOARD

Power For The New Technology

