

Power For The New Technology

PS2491-Y

Total Power	48 Watts Max
Input Voltage	90-264 VAC
Output	11.3V to 14.5V

SPECIAL FEATURES

- Trim control pin input
- RoHS 6/6
- UL, CSA, TUV recognized component
- FCC Class B, CISPR 22 and GR-1089
- Compliance to EN60950-1, to support CE marking on final product
- Operates in thermally isolated enclosure without fan
- Chassis with two sides open

ENVIRONMENTAL

Ambient Operating Temperature: -40 to +65°C continuous duty, full rating.

Humidity: Up to 95% non-condensing

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

Storage Temperature: -20° to +85°C

Cooling: Operates in thermally isolated enclosure without fan



ELECTRICAL SPECIFICATIONS

Input

Input.....90 -264 VAC; 47-63Hz;

Isolation.....4242VDC (Input to Output)
2121VDC from output to chassis
2121VDC from input to chassis

Susceptibility specifications:

EN 61000-3-2 AC Input line harmonic limits
Complies with FCC Class B, CISPR 22 and GR-1089 with minimum 6 dB margin
Efficiency.....> 80% typical at full load

Output

DC Output.....Maximum continuous output power
48 Watts. See Voltage/Current Rating Chart.
Line / Load Regulation.....< 1%
Ripple and Noise < 1% typical
Transient Response...2% Maximum deviation
Trim input voltage range: 0-38V into 1k input impedance

MECHANICAL

6.5" L X 1.77" H X 3.3" W (165.1 mm X 44.9 mm X 83.8 mm)

Input connector: Tyco p/n 643414-1

Output connector: Molex p/n 043045-0426

Status Indicators:

Visual LED indicator identifies power supply On/Off status.



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Output Protections

Over voltage protection 130% (Hiccup)
 Over current protection: 4.2A – 5.2A (TC= On)
 3.6A – 4.5A (TC= 3.8V)

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.....20 mSec

Pin Assignment

	PIN #	Function
Input	1	Line
	2	Neutral
	3	Earth Ground
Output	1	+Vout
	2	-Vout
	3	Control (Trim)
	4	N.U.

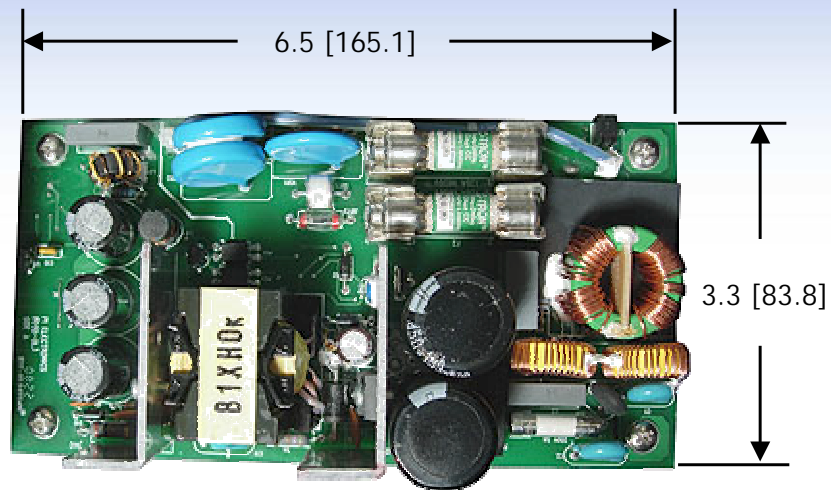
Voltage/Current Rating Chart

Voltage	Current Minimum	Current Maximum	Trim Control Pin Voltage
11.3V	0	3.8A	0V
14.5V	0	3.3A	3.8V



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Mechanical Outline



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