



- Active Power Factor Correction
- Efficiency Level V
- >87% Efficient
- <500mW No Load Power Consumption
- Short Circuit Protection
- Overload Protection
- Overvoltage Protection
- No Load Operation
- 100% Burn-In/Hi-Pot Testing
- RoHS Compliant

Electrical Specifications

Input

Input Voltage	90-264VAC
Input Frequency	47-63 Hz
Input Current	3.5A @ 90VAC / 1.5A @ 264VAC
Power Factor	Per EN61000-3-2
Leakage Current	<250µA @ 264VAC
Safety Isolation	3.0kVAC Input to Output 1.5kVAC Input to Ground

Environmental & Operating

Operating Temperature	-20°C to +40°C Derate from 100% to 40% from +40°C to +70°C
Storage Temperature	-20°C to +85°C
Forced Air Cooling	40mm Temperature Controlled Internal Fan
Humidity	10% - 90% non-condensing
MTBF:	>140,000 @ full load and 25°C per MIL-HDBK-217F

Output

Total Output	250W
Output Voltage	See table
Hold Up Time	16mS typical/full load/115VAC
Efficiency	>87%
Minimum Load	No minimum load
Transient Response	+/-5% maximum with 100% load step 200mA per µsec maximum
Turn-On Delay	2 seconds maximum

Compliance

Safety Approvals

USA	UL60950-1
Canada	CSA C22.2 No. 60950-1
Europe	TUV EN60950-1 CB Report EN60950-1
EMC:	FCC Class B Radiated & Conducted CISPR22 Class B Radiated & Conducted EN55022 Class B Radiated & Conducted EN55024: 1998+A1: 2001+A2: 2003 IEC 61000-3-2: 2006, Class D IEC 61000-3-3: 1995+A1: 2001+A2: 2005 IEC 61000-4-2: 1995+A1: 1998+A2: 2000 IEC 61000-4-3: 2006 IEC 61000-4-4: 2004 IEC 61000-4-5: 2005 IEC 61000-4-6: 2007 IEC 61000-4-8: 1993+A1: 2000 IEC 61000-4-11: 2004
Harmonic Currents	
Voltage Flicker	
Electrostatic Discharge	
Radiated Immunity	
EFT/Burst	
Surge Immunity	
Conducted Immunity	
Magnetic Field	
Dips / Interruptions	

Protection

Overvoltage	Set at 110%-140% of nominal. Latching mode. Cycle AC for recovery
Short Circuit	Hiccup mode. Auto recovery
Overload	Hiccup mode. Auto recovery

General

Dimensions	7.42"L x 4.1"W x 2.36"H
AC Input Receptacle	IEC320-C14
DC Output Plug	Molex 6-pin Mini Fit
Net Weight	2.34 pounds

Your Partners in Power.....

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Specifications subject to change.
PPWAD250: 09/27/2010



Models and Ratings Chart

Model	Voltage	Current	Total Power	Regulation	Ripple & Noise (p-p) *
PPWAD250-12	12VDC	20.83A	250W	+5%	240mV
PPWAD250-13-1	16VDC	15.63A	250W	+5%	300mV
PPWAD250-13-2	19VDC	13.16A	250W	+5%	300mV
PPWAD250-13-3	20VDC	12.5A	250W	+5%	300mV
PPWAD250-14	24VDC	10.42A	250W	+5%	300mV
PPWAD250-17	36VDC	6.94A	250W	+5%	300mV
PPWAD250-18	48VDC	5.21A	250W	+5%	300mV

NOTE:
* PEAK-TO-PEAK 20MHz BANDWIDTH
WITH 10µF TANTALUM CAPACITOR IN
PARALLEL WITH A 0.1µF CERAMIC
CAPACITOR

Mechanical Outline / Output Cable and Pin Assignment

