



- 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	3A @ 90VAC / 1.5A @ 264VAC
Power Factor	Per EN61000-3-2
Leakage Current	<228µA @ 264VAC
Safety Isolation	4.0kVAC Input to Output 1.5kVAC Input to Ground

#### Output

Total Output	200W
Output Voltage	See table
Hold Up Time	16mS minimum/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

#### Protection

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

#### Environmental & Operating

Operating Temperature	-20°C to +50°C
Storage Temperature	-20°C to +85°C
Forced Air Cooling	40mm Temperature Controlled Internal Fan
Humidity	10% - 95% non-condensing
MTBF:	>140,000 @ full load and 25°C per MIL-HDBK-217F

#### Compliance

##### Safety Approvals

USA	UL60601-1
Canada	CSA C22.2 No. 60601-1
Europe	TUV EN60601-1 CB Report IEC60601-1

##### Isolation:

4000VAC input to output, 2 x MOPP  
1500 VAC input to ground, 1 x MOPP  
500 VAC output to Ground, 1 x MOPP

##### EMC:

FCC Part 18 Class B Radiated & Conducted  
EN60601-1-2: 2001+A1: 2006  
EN55011: 2007

Harmonic Currents  
Voltage Flicker  
Electrostatic Discharge  
Radiated Immunity  
EFT/Burst  
Surge Immunity  
Conducted Immunity  
Magnetic Field  
Dips / Interruptions

IEC 61000-3-2: 2006, Class D  
IEC 61000-3-3: 1995+A1: 20001+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

#### General

Dimensions	7.42"L x 4.1"W x 2.36"H
AC Input Receptacle	IEC320-C14
DC Output Plug	Kycon KPP-4P or equivalent (see drawing)
Weight	2.05 pounds



### Models and Ratings Chart

Model	Voltage	Current	Total Power	Regulation	Ripple & Noise (p-p)
PPWAMD200-12	12VDC	16.66A	200W	+5%	240mV
PPWAMD200-13-1	16VDC	12.50A	200W	+5%	300mV
PPWAMD200-13-2	19VDC	10.53A	200W	+5%	300mV
PPWAMD200-13-3	20VDC	10A	200W	+5%	300mV
PPWAMD200-14	24VDC	8.33A	200W	+5%	300mV
PPWAMD200-17	36VDC	5.55A	200W	+5%	300mV
PPWAMD200-18	48VDC	4.166A	200W	+5%	300mV

### Mechanical Outline / Output Cable and Pin Assignment

