



- Class I and Class II versions
- Efficiency Level VI
- <210mW No Load Power Consumption
- LED on Indicator
- Overload Protection
- Short Circuit Protection
- Over-temperature Protection
- 100% Burn-In/Hi-Pot Testing
- RoHS Compliant

### Electrical Specifications

#### Input

<b>Input Voltage</b>	90-264VAC
<b>Input Frequency</b>	47-63 Hz
<b>Input Current</b>	3.5A max at 115VAC 2.5A max at 230VAC
<b>Inrush Current</b>	<70A peak at 115VAC, <140A peak at 230VAC, cold start, 25°C

#### Output

<b>Total Output</b>	220-250W see table for details
<b>Output Voltage</b>	See table
<b>Hold Up Time</b>	>10mS at full load for 115VAC nominal
<b>Earth Leakage Current</b>	250uA at 120VAC 500uA at 240VAC
<b>Average Active Efficiency</b>	>88% with 115VAC/60Hz & 230Vac/50Hz input voltage (DOE level VI compliant)
<b>No Load Power Consumption</b>	<210mW
<b>Turn on Delay</b>	<3 seconds

#### Protection

<b>Overvoltage</b>	110%-150% of nominal. Auto recovery
<b>Overload</b>	105%-150% of maximum output current. Auto recovery
<b>Short Circuit</b>	Hiccup mode. Auto recovery
<b>Over Temperature</b>	Output latched off during fault. Cycle AC power to reset

#### Environmental & Operating

<b>Operating Temperature</b>	0°C to 60°C, derate linearly from 100% at 40°C to 50% at 60°C
<b>Storage Temperature</b>	-20°C to +85°C
<b>Humidity</b>	10% - 90% non-condensing
<b>Altitude</b>	<5000m operational and storage
<b>MTBF:</b>	>100,000 hours per MIL-HDBK-217F at full load and 25°C ambient

#### Compliance

##### Safety Approvals

<b>USA</b>	UL60950-1
<b>Canada</b>	cUL60950-1
<b>Europe</b>	TUV EN60950-1/A12: 2011

##### EMC:

<b>Harmonic Currents</b>	IEC 61000-3-2: Class A, D
<b>Voltage Flicker</b>	IEC 61000-3-3: 2008
<b>Electrostatic Discharge</b>	IEC 61000-4-2: 8kV Air, 6kV contact
<b>Radiated Immunity</b>	IEC 61000-4-3: 3V/m
<b>EFT/Burst</b>	IEC 61000-4-4: +/-1kV
<b>Surge Immunity</b>	IEC 61000-4-5: 2005 1kV diff, 2kV com
<b>Conducted Immunity</b>	IEC 61000-4-6: 3Vrms
<b>Magnetic Field</b>	IEC 61000-4-8: 1A/m
<b>Dips / Interruptions</b>	IEC 61000-4-11: 30% reduction for 500ms, >95% reduction for 10ms.

#### General

<b>Dimensions</b>	7.2"(182mm)L x 3.3"(84.5mm)W x 1.8"(46mm)H
<b>AC Input Receptacle</b>	IEC60320 C14. Optional C8, C6, C18
<b>DC output Plug</b>	6-pin Molex mini-fit, #39-01-2060 with female terminals #5556. Mates with Molex plug 39-01- 2066 and male terminal #5558. Other connectors available upon request.
<b>Weight</b>	2.2lb



### Models and Ratings Chart

Model	Voltage	Current	Total Power	Load Regulation	Line Regulation	Ripple & Noise (P-P)
PEAD250-12	12VDC	18.33A	220W	+/-5%	+/-2%	240mV
PEAD250-13	15VDC	14.66A	220W	+/-5%	+/-2%	300mV
PEAD250-13-1	18VDC	12.22A	220W	+/-5%	+/-2%	360mV
PEAD250-13-2	19VDC	13.15A	250W	+/-5%	+/-2%	380mV
PEAD250-14	24VDC	10.41A	250W	+/-5%	+/-2%	480mV
PEAD250-17	36VDC	6.94A	250W	+/-5%	+/-2%	720mV
PEAD250-18	48VDC	5.20A	250W	+/-5%	+/-2%	960mV

#### C14 Standard Receptacle

For C8 input receptacle, model numbers are PEAD250SF, For Example PEAD250SF-12

For C6 input receptacle, model numbers are PEAD250S, For Example PEAD250S-12

For C18 input receptacle, model numbers are PEAD250F, For Example PEAD250F-12

### Mechanical Outline

