



- 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

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

Output

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

Protection

Overvoltage	110%-150% of nominal. Auto recovery
Overload	105%-150% of maximum output current. Auto recovery
Short Circuit	Hiccup mode. Auto recovery
Over Temperature	Output latched off during fault. Cycle AC power to reset
Ingress	IP22 Compliant

Environmental & Operating

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

Compliance

Safety Approvals

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

EMC:

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

General

Dimensions	7.2"(182mm)L x 3.3"(84.5mm)W x 1.8"(46mm)H
AC Input Receptacle	IEC60320 C14. Optional C8, C6, C18
DC output Plug	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.
Weight	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

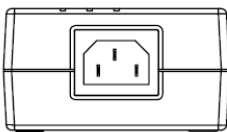
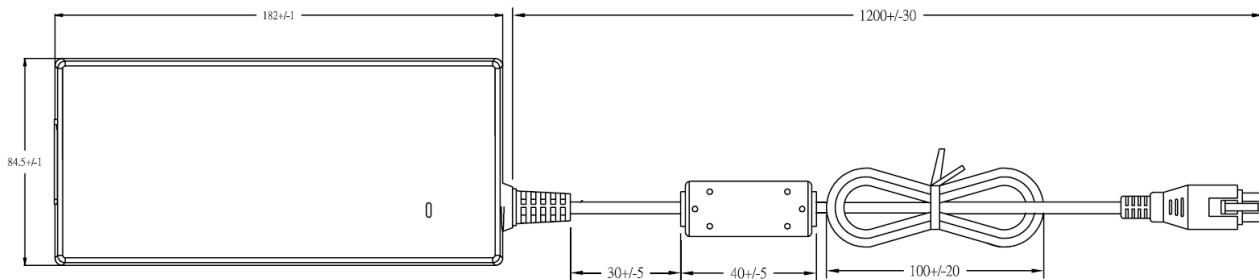
C14 Standard Receptacle

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

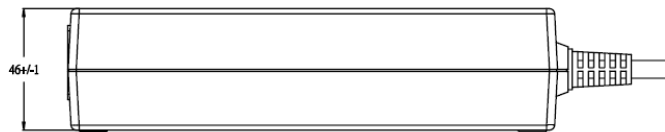
For C6 input receptacle, model numbers are PEAD250S, For Example PEAD250S-12

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

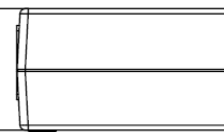
Mechanical Outline



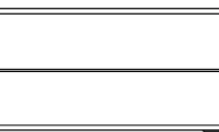
C14



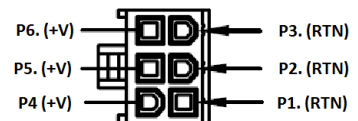
C8



C6



C18



RTN connected to earth ground on standard models.
Contact sales for isolated version.