



- IEC 60601-1-2 4th Edition EMC Compliant
- Class I and Class II versions
- Meets Efficiency Level VI Requirements
- <210mW No Load Power Consumption
- BF Rated Output on Class II Versions
- LED on Indicator
- Overload Protection
- Short Circuit Protection
- Over-temperature Protection
- No Load Operation

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 (Class I)	<110uA at 264VAC 60Hz
Touch Current	<100uA At 264VAC, 60Hz
Average Active Efficiency	>88% with 115VAC/60Hz & 230Vac/50Hz input voltage (meets DOE level VI requirements)
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	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	ANSI/AAMI ES60601-1
Canada	cUL ES60601-1
Europe	TUV EN60601-1 3rd edition CB Report
Isolation	4000VAC input to output, 2 x MOPP 1500 VAC input to ground, 1 x MOPP
EMC (IEC 60601-1-2:2014):	FCC Class B Radiated & Conducted CISPR11 Class B Radiated & Conducted EN55011 Class B Radiated & Conducted
Harmonic Currents	IEC 61000-3-2
Voltage Flicker	IEC 61000-3-3
Electrostatic Discharge	IEC 61000-4-2: ±15kV Air, ±8kV contact
Radiated Immunity	IEC 61000-4-3: 10V/m
EFT/Burst	IEC 61000-4-4: ±2kV
Surge Immunity	IEC 61000-4-5: 1kV diff, 2kV com
Conducted Immunity	IEC 61000-4-6: 10Vrms
Magnetic Field	IEC 61000-4-8: 30A/m
Dips / Interruptions	IEC 61000-4-11: Voltage dip immunity, 30% reduction for 500ms, 100% 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. Others available upon request
Weight	2.2lb

Your Partners in Power.....

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Specifications subject to change.
PEAMD250: April 3, 2018



Models and Ratings Chart

Model	Voltage	Current	Total Power	Load Regulation	Line Regulation	Ripple & Noise (P-P)
PEAMD250-12	12VDC	18.33A	220W	+/-5%	+/-2%	240mV
PEAMD250-13	15VDC	14.66A	220W	+/-5%	+/-2%	300mV
PEAMD250-13-1	18VDC	12.22A	220W	+/-5%	+/-2%	360mV
PEAMD250-13-2	19VDC	13.15A	250W	+/-5%	+/-2%	380mV
PEAMD250-14	24VDC	10.41A	250W	+/-5%	+/-2%	480mV
PEAMD250-17	36VDC	6.94A	250W	+/-5%	+/-2%	720mV
PEAMD250-18	48VDC	5.20A	250W	+/-5%	+/-2%	960mV

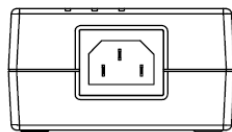
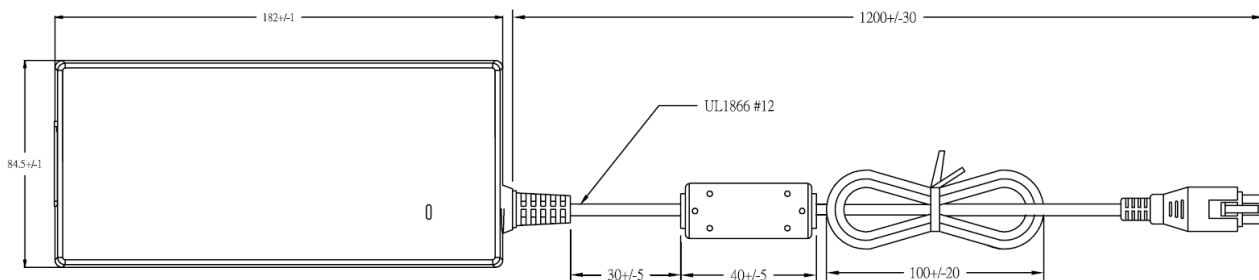
C14 Standard Receptacle

For C8 input receptacle, model numbers are PEAMD250SF, For Example PEAMD250SF-12

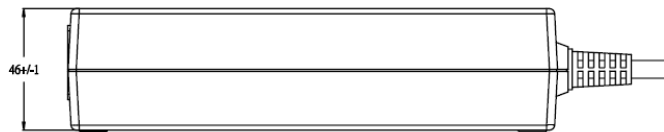
For C6 input receptacle, model numbers are PEAMD250S, For Example PEAMD250S-12

For C18 input receptacle, model numbers are PEAMD250F, For Example PEAMD250F-12

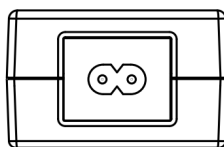
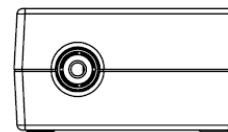
Mechanical Outline



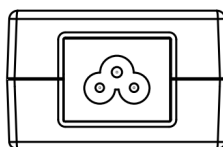
C14



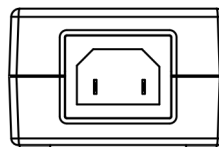
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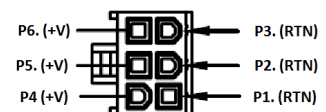
C8



C6



C18



Output Return Connected to Earth Ground on Class I Models.