



- Class I and Class II Versions
- Efficiency Level VI on Most Models
- <210mW No Load Power Consumption
- LED on Indicator
- Overload Protection
- Short Circuit 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	1.5A max at 115VAC 0.75A max at 230VAC
Inrush Current	<100A peak at 240VAC, cold start, 25°C

Output

Total Output	See Models and Ratings Chart
Output Voltage	See Models and Ratings Chart
Hold Up Time	>8.3mS at full load and 115/230VAC line
Average Active efficiency	Meets DOE level VI requirements, except for 5V and 9V models. See models and ratings chart for details.
No Load Power Consumption	<210mW
Turn on Delay	<3 seconds

Protection

Overvoltage	150% Max. of nominal. Cycle AC power to reset after fault is removed
Overload	110%-160% of maximum output current. Auto recovery
Short Circuit	Hiccup mode. Auto recovery

Environmental & Operating

Operating Temperature	0°C to 40°C full load
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
Japan (PSE)	J60950-1(H22) J55022(H22) CB Report

EMC:

FCC Class B Radiated & Conducted	CISPR22 Class B Radiated & Conducted
EN55022 Class B Radiated & Conducted	EN55024: 2010

Harmonic Currents	IEC 61000-3-2:
Voltage Flicker	IEC 61000-3-3
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	4.45"(113mm)L x 1.93"(49mm)W x 1.37"(35mm)H
AC Input Receptacle	IEC60320 C14, C6, C8, C18
DC output Plug	2.5x5.5mm barrel connector
Weight	1lb

Your Partners in Power.....

Power Partners, Inc. | 43 Broad Street | Hudson, MA 01749

Tel: (978)567-9600 | Fax: (978)567-9601

Website: www.powerpartners-inc.com



Distributed by:

Power Sources Unlimited, Inc. Wrentham, MA • Tel: 508-384-1419 • sales@psui.com • www.psui.com

Specifications subject to change.
PEAD50: JUNE 15, 2015



Models and Ratings Chart

Model	Voltage	Max. Current	Total Power	Load Regulation	Line Regulation	Ripple & Noise (P-P)	Efficiency Level
PEAD50-10	5V	7.00A	35W	+/-5%	+/-3%	100mV	V
PEAD50-11	9V	3.88A	35W	+/-5%	+/-3%	100mV	V
PEAD50-12	12V	4.17A	50W	+/-5%	+/-3%	250mV	VI
PEAD50-13	15V	3.33A	50W	+/-5%	+/-3%	250mV	VI
PEAD50-13-1	18V	2.63A	47.3W	+/-5%	+/-3%	350mV	VI
PEAD50-13-2	19V	2.63A	50W	+/-5%	+/-3%	350mV	VI
PEAD50-14	24V	2.08A	50W	+/-5%	+/-3%	350mV	VI
PEAD50-17	36V	1.38A	50W	+/-5%	+/-3%	500mV	VI
PEAD50-18	48V	1.04A	50W	+/-5%	+/-3%	720mV	VI

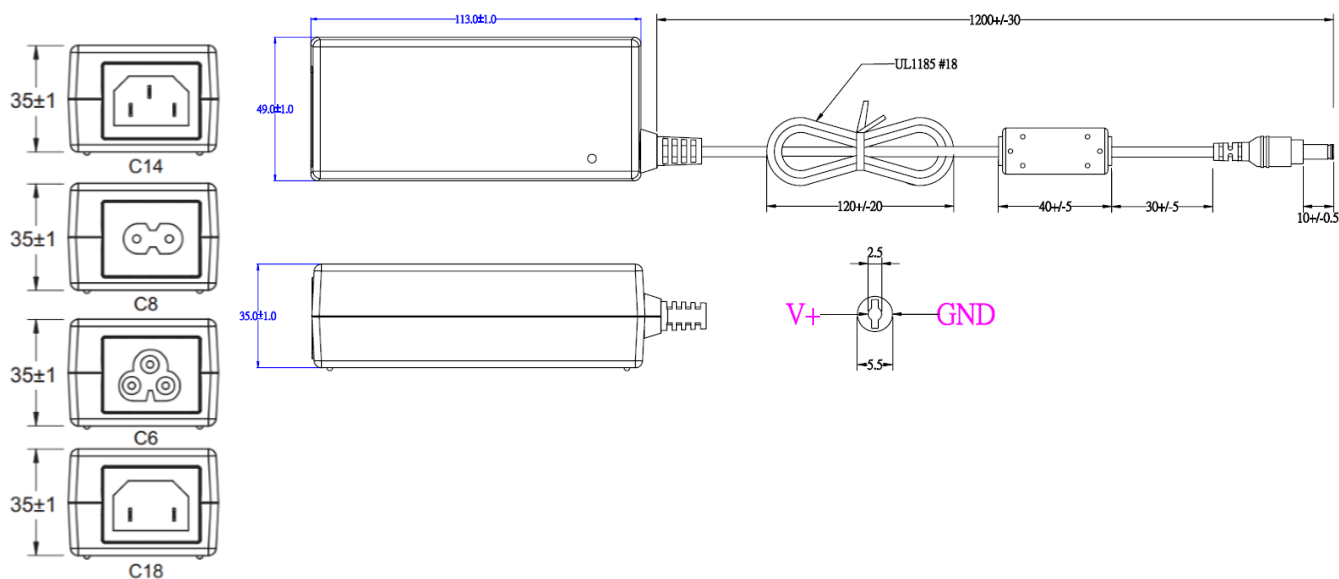
C14 standard input receptacle

For C8 input receptacle, model numbers are PEAD50SF. For example, PEAD50SF-12

For C6 input receptacle, model numbers are PEAD50S. For example, PEAD50S-12

For C18 input receptacle, model numbers are PEAD50F. For example, PEAD50F-12

Mechanical Outline



Your Partners in Power.....

Power Partners, Inc. | 43 Broad Street | Hudson, MA 01749

Tel: (978)567-9600 | Fax: (978)567-9601

Website: www.powerpartners-inc.com



Distributed by:

Power Sources Unlimited, Inc. Wrentham, MA • Tel: 508-384-1419 • sales@psui.com • www.psui.com

Specifications subject to change.
PEAD50: JUNE 15, 2015