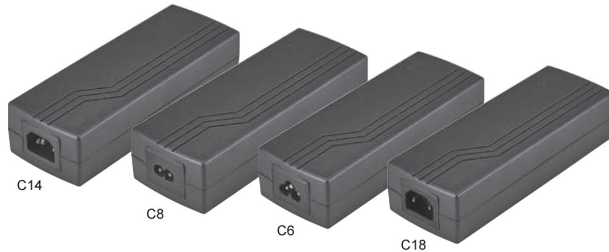


Power Partners

PEAD150B Series 150W Power Supply



- Efficiency Level VI
- <210mW No Load Power Consumption
- Short Circuit Protection
- Overload Protection
- No Load Operation
- 100% Burn-In/Hi-Pot Testing
- RoHS Compliant
- IEC320-C6, C8, C14, C18

Electrical Specifications

Input

Input Voltage	90-264VAC
Input Frequency	47-63 Hz
Input Current	≤1.0A @ 230VAC, ≤2.0A @ 115VAC
Safety Isolation	3.0kVAC Input to Output 1.5kVAC Input to Ground
Leakage Current	250µA at 240VAC
Inrush Current	<60A @110VAC <120A @220VAC, cold start
Rise Time	<50mSec at full load from 10%-90% of output voltage
Turn-on Time	≤3 seconds
Power Factor Correction	IEC61000-3-2 Class D

Output

Total Output	150W maximum
Output Voltage	See table
Hold Up Time	≥10mS typical/full load/115VAC
Efficiency	>88% average
Minimum Load	No minimum load
No Load Power	<0.21W at 230VAC/50Hz

Protection

Short Circuit	Hiccup mode. Auto recovery
Overcurrent	110%-150% of rated output. Auto recovery.
Overvoltage	150% typical of rated voltage, latching mode.
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
Operating Humidity	10% - 90% non-condensing
Storage Humidity	>100,000 hours @ full load and 25°C per MIL-HDBK-217F
Altitude	5,000 meters operating and storage

Compliance

Safety Approvals

USA	UL60950-1
Canada	CSA C22.2 No. 60950-1
Europe	TUV EN60950-1

EMC:

CE Mark	CCC
FCC Class B Radiated & Conducted	CISPR22 Class B Radiated & Conducted
EN55022 Class B Radiated & Conducted	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: 2005
IEC 61000-4-11: 2005	

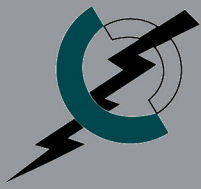
General

Dimensions	7.04"L x 2.56"W x 1.57"H
AC Input Receptacle	IEC320-C14, C6, C8 or C18
Std. DC Output Plug	4 Pin non-locking plug, mates with Kycon P/N KPJX-4S-S socket or equivalent
Weight	1.55lb

Your Partners in Power.....

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Tel: (978)567-9600 | Fax: (978)567-9601
Website: www.powerpartners-inc.com

Specifications subject to change.
PEAD150B: April 3, 2018

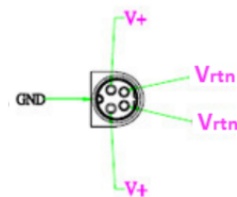
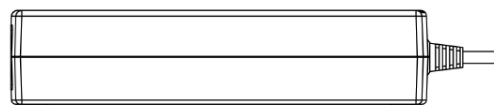
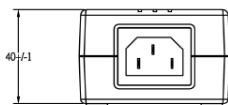
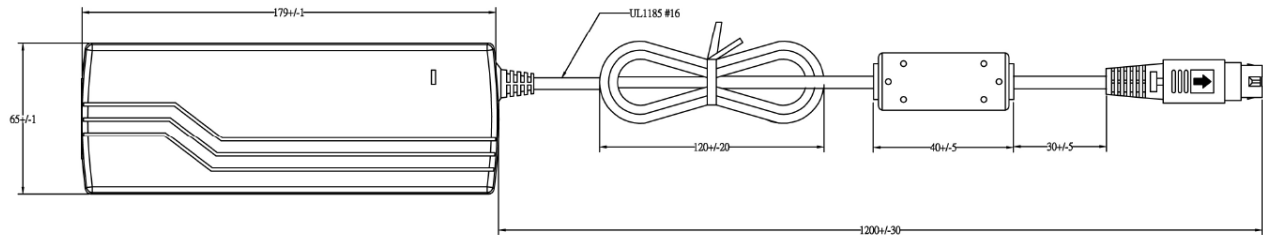


Models and Ratings Chart

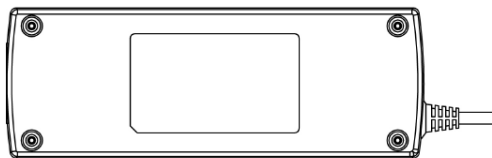
Model	Voltage	Max. Current	Total Power	Load Regulation	Line Regulation	Ripple & Noise (P-P)
PEAD150B-12	12VDC	12.5A	150W	±5%	±1%	240mV
PEAD150B-13	15VDC	10.00A	150W	±5%	±1%	240mV
PEAD150B-13-2	19VDC	7.89A	150W	±5%	±1%	360mV
PEAD150B-14	24VDC	6.25A	150W	±5%	±1%	360mV
PEAD150B-16	32VDC	4.68A	150W	±5%	±1%	630mV
PEAD150B-17	36VDC	4.17A	150W	±5%	±1%	630mV
PEAD150B-18	48VDC	3.13A	150W	±5%	±1%	840mV

Note: Add suffix "SF" for C8 AC inlet. Example: PEAD150BSF-14
 Add suffix "S" for C6 AC inlet, Example: PEAD150BS-14
 Add suffix "F" for C18 AC inlet, Example: PEAD150BF-14

Mechanical Outline



Shell and Vrtn connected to Earth Ground for class I models



1. Dimensions in mm.
2. Standard output connector shown. Optional connectors are available. Contact Power Partners Sales Department.