



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



*Note: Country specific approvals may not apply to all models shown. Please consult factory.

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
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
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 Canada Europe Japan (PSE)
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



Models and Ratings Chart

Model*	Voltage	Max. Current	Total Power	Load Regulation	Line Regulation	Ripple & Noise (P-P)	Efficiency Level
PEAD50-10-B2	5V	6.00A	30W	+/-5%	+/-3%	100mV	VI
PEAD50-11-B2	9V	3.33A	30W	+/-5%	+/-3%	100mV	VI
PEAD50-12-B2	12V	4.17A	50W	+/-5%	+/-3%	250mV	VI
PEAD50-13-B2	15V	3.33A	50W	+/-5%	+/-3%	250mV	VI
PEAD50-13-1-B2	18V	2.63A	47.3W	+/-5%	+/-3%	350mV	VI
PEAD50-13-2-B2	19V	2.63A	50W	+/-5%	+/-3%	350mV	VI
PEAD50-14-B2	24V	2.08A	50W	+/-5%	+/-3%	350mV	VI
PEAD50-17-B2	36V	1.38A	50W	+/-5%	+/-3%	500mV	VI
PEAD50-18-B2	48V	1.04A	50W	+/-5%	+/-3%	720mV	VI

*C14 standard input receptacle

For C8 input receptacle, model numbers are PEAD50SF. For example, PEAD50SF-12-B2

For C6 input receptacle, model numbers are PEAD50S. For example, PEAD50S-12-B2

For C18 input receptacle, model numbers are PEAD50F. For example, PEAD50F-12-B2

Mechanical Outline

