



- Class I and Class II Versions
- Efficiency Level VI
- Active Power Factor Correction
- <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	2A max at 115VAC 1A max at 230VAC
Inrush Current	<60A peak at 115VAC, <120A peak at 230VAC, cold start, 25°C
Power Factor	>0.95 @100VAC and >0.9 @240Vac

Output

Total Output	120-130W (see table for details)
Output Voltage	See table
Hold Up Time	>8.3mS at full load and 115/230VAC line
Average Active efficiency	>88% with 115VAC/60Hz & 230Vac/50Hz input voltage (CEC level VI compliant)
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%-150% 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

EMC:

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

Harmonic Currents Voltage Flicker Electrostatic Discharge Radiated Immunity EFT/Burst Surge Immunity

	IEC 61000-3-2
	IEC 61000-3-3
	IEC 61000-4-2: 8kV Air, 6kV contact
	IEC 61000-4-3: 3V/m
	IEC 61000-4-4: +/-1kV
	IEC 61000-4-5: 2005 1kV diff, 2kV com
	Optional 2kV diff, 4kV com
	IEC 61000-4-6: 3Vrms
	IEC 61000-4-8: 1A/m
	IEC 61000-4-11: 30% reduction for 500ms, >95% reduction for 10ms.

General

Dimensions	5.4"(137mm)L x 2.3"(59mm)W x 1.3"(34mm)H
AC Input Receptacle DC output Plug	IEC60320 C14, C8, C6 Kycon KPP-4P, others available upon request
Weight	1lb



Models and Ratings Chart

Model	Voltage	Max. Current	Total Power	Load Regulation	Line Regulation	Ripple & Noise (P-P)
PEAD120B-12	12VDC	10.00A	120W	+/-5%	+/-1%	240mV
PEAD120B-13	15VDC	8.00A	120W	+/-5%	+/-1%	240mV
PEAD120B-13-2	19VDC	6.31A	120W	+/-5%	+/-1%	360mV
PEAD120B-14	24VDC	5.00A	120W	+/-5%	+/-1%	360mV
PEAD120B-18	48VDC	2.71A	130W	+/-5%	+/-1%	840mV

C14 Standard Receptacle.

For C6 Class I Receptacle, model number is PEAD120BS, for example PEAD120BS-12-B2

For C8 Class II Receptacle, model number is PEAD120BSF, for example PEAD120BSF-12-B2

For 4kV Surge Protection option, model number is PEAD120BXX-YY, for example PEAD120B-12S

Mechanical Outline

