



- Efficiency Level V
- <500mW No Load Power Consumption
- Short Circuit Protection
- Overload 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	<2.5A max @ 115VAC <1.25A max @ 230VAC
Safety Isolation	3.0kVAC Input to Output 1.5kVAC Input to Ground
Leakage Current	<500µA @ 240VAC
Input Fuse	3.15A/250V
Power Factor Correction	IEC61000-3-2 Class D

#### Output

Total Output	120W max
Output Voltage	See table
Hold Up Time	>10mS typical/full load
Efficiency	>87% average
Minimum Load	No minimum load
No Load Power	<0.5W at 230VAC/50Hz

#### Protection

Overvoltage	Rated at 150% maximum of rated voltage. Latching mode. Cycle AC For recovery
Overload	Rated at 100-150% of max output current
Short Circuit	Hiccup mode. Auto recovery

#### Environmental & Operating

Operating Temperature	0°C to +40°C
Storage Temperature	-20°C to +85°C
Operating Humidity	10% - 90% non-condensing
Storage Humidity	5% - 90% non-condensing
MTBF:	>100,000 @ full load and 25°C per MIL-HDBK-217F

#### Compliance

##### Safety Approvals

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

##### EMC:

Electrostatic Discharge  
Radiated Immunity  
EFT/Burst  
Surge Immunity

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

#### General

Dimensions	5.39"L x 2.32"W x 1.38"H
AC Input Receptacle	IEC320-C14 or IEC320-C6 or IEC320-C8
Std. DC Output Plug	Barrel Type: 2.1mm x 5.5mm x 11mm Center positive polarity
Weight	1 pound

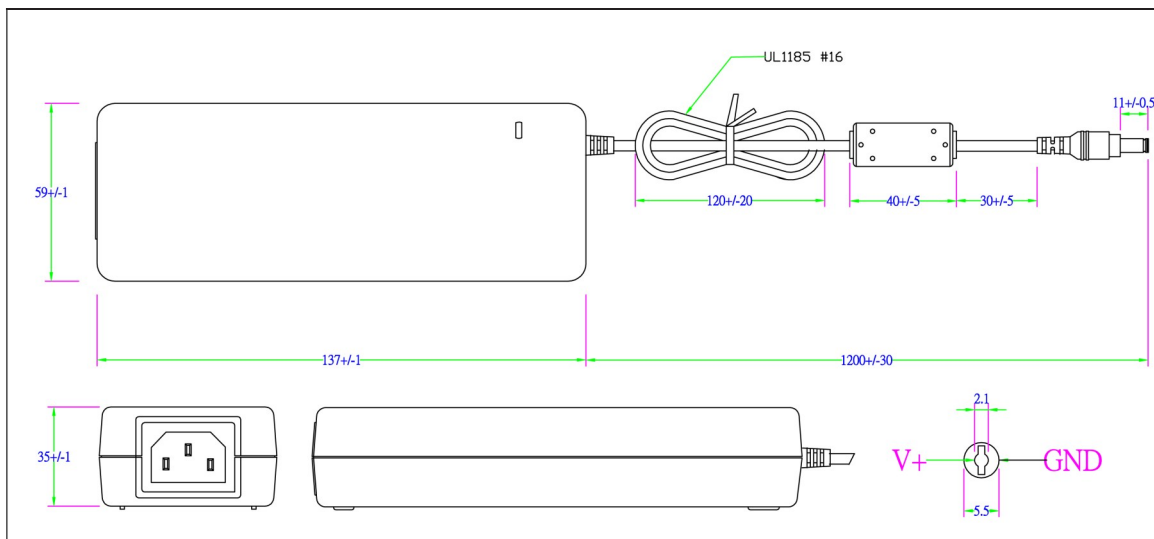


### Models and Ratings Chart

Model	Voltage	Current	Total Power	Load Regulation	Line Regulation	Ripple & Noise (p-p)
PEAD120-12-B2	12VDC	8.33A	100W	+/-5%	+/-1%	240mV
PEAD120-13-B2	15VDC	6.7A	100W	+/-5%	+/-1%	360mV
PEAD120-13-1-B2	18VDC	6.67A	120W	+/-5%	+/-1%	360mV
PEAD120-13-2-B2	19VDC	6.3A	120W	+/-5%	+/-1%	360mV
PEAD120-14-B2	24VDC	5.0A	120W	+/-5%	+/-1%	360mV

For C6 input receptacle, model numbers are PEAD120F. For C8 input receptacle, model numbers are PEAD120SF.

### Mechanical Outline



Output Return Connected to Ground on Class I Models.