



- Class I and Class II Versions
- Level VI Efficiency
- Optional LED on Indicator
- <100mW No Load Power Consumption
- Overload Protection
- Short Circuit Protection



### Electrical Specifications

#### Input

Input Voltage	90-264VAC
Input Frequency	47-63 Hz
Input Current	1.0A – 0.5A, 115VAC-230VAC
Safety Isolation	3.0kVAC Input to Output
Inrush Current	<30A peak @ 115VAC, cold start at 25°C <60A peak @ 230VAC, cold start at 25°C
No Load Power Consumption	< 100mW

#### Output

Total Output	See Models and Ratings Chart
Output Voltage	See Models and Ratings Chart
Hold Up Time	≥8.3mS
Average Active efficiency	Meets DOE level VI requirements. See models and ratings chart for details.
Turn on Delay	≤3 seconds
Minimum Load	No minimum load

#### 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	<5,000m
MTBF:	>100,000 hours per MIL-HDBK-217F at full load and 25°C ambient

#### Compliance

##### Safety Approvals

USA	UL60950-1, 2nd Edition
Canada	cUL60950-1, 2nd Edition
Europe	TUV EN60950-1, 2nd Edition 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	3.94"(100mm)L x 1.77"(45mm)W x 1.22"(31mm)H
AC Input Receptacle	IEC60320 C14, C6, C8, C18
DC output Plug	2.5x5.5mm barrel connector
Weight	0.44 pounds



### Models and Ratings Chart

Model*	Voltage	Max. Current	Total Power	Load Regulation	Line Regulation	Ripple & Noise (P-P)	Efficiency Level
PEAD36B-10-B2	5V	4.00A	20W	+/-5%	+/-1%	100mV	VI
PEAD36B-11-B2	9V	3.00A	27W	+/-5%	+/-1%	250mV	VI
PEAD36B-12-B2	12V	3.00A	36W	+/-5%	+/-1%	250mV	VI
PEAD36B-13-B2	15V	2.0A	30W	+/-5%	+/-1%	250mV	VI
PEAD36B-13-1-B2	18V	1.66A	30W	+/-5%	+/-1%	350mV	VI
PEAD36B-13-2-B2	19V	1.58A	30W	+/-5%	+/-1%	350mV	VI
PEAD36B-14-B2	24V	1.5A	36W	+/-5%	+/-1%	350mV	VI
PEAD36B-17-B2	36V	0.83A	30W	+/-5%	+/-1%	480mV	VI
PEAD36B-18-B2	48V	0.625A	30W	+/-5%	+/-1%	480mV	VI

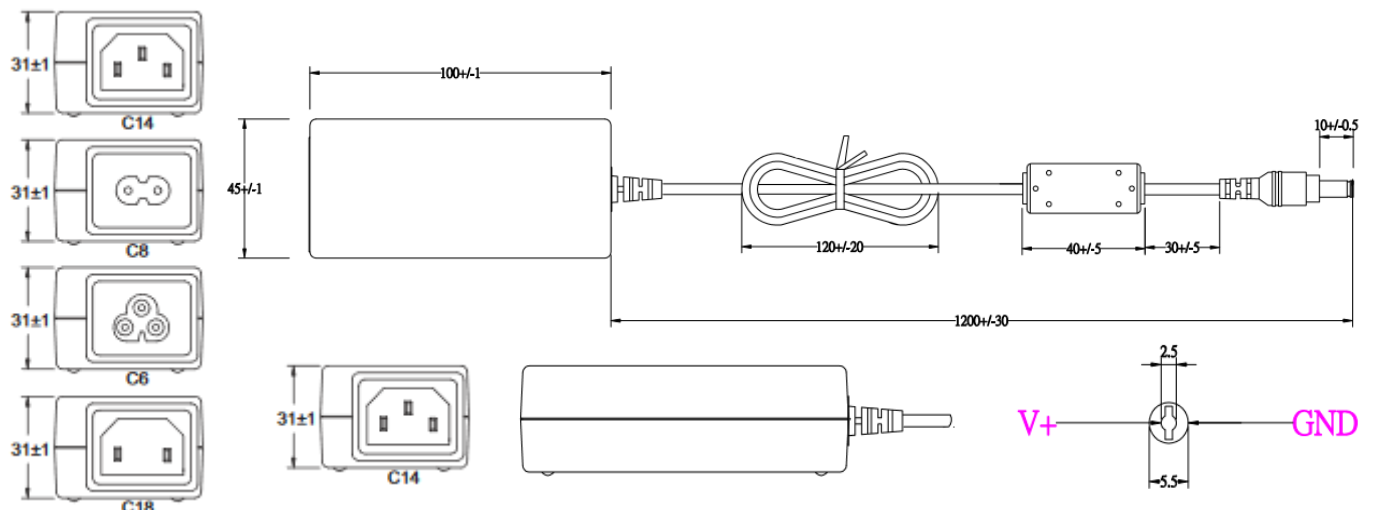
\*C14 standard input receptacle

For C6 input receptacle, model numbers are PEAD36BS. For example, PEAD36BS-12-B2

For C8 input receptacle, model numbers are PEAD36BSF. For example, PEAD36BSF-12-B2

For C18 input receptacle, model numbers are PEAD36BF. For example, PEAD36BF-12-B2

### Mechanical Outline



Output Return Connected to  
Earth Ground on Class I Models