



- Class I and Class II Versions
- BF Rated Class II Version
- Meets Efficiency Level VI Requirements
- <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	1.0A max at 115VAC 0.5A max at 230VAC
Inrush Current	<60A at 240VAC, cold start, 25°C

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

Output

Total Output	20-36W see table for details
Output Voltage	See table
Hold Up Time	>8.3mS at full load and 115/230VAC line
Earth Leakage Current (Class I)	<100uA at 264VAC, 60Hz
Touch Current	<100uA at 264VAC, 60Hz
Average Active Efficiency	>88% with 115VAC/60Hz & 230Vac/50Hz input voltage (meets DOE level VI requirements)
No Load Power Consumption	<210mW
Turn on Delay	<3 seconds

Compliance

Safety Approvals

USA	ANSI/AAMI ES60601-1
Canada	cUL ES60601-1
Europe	TUV EN60601-1 3rd edition (Class II models) CB Report
Isolation	4000VAC input to output, 2 x MOPP 1500 VAC input to ground, 1 x MOPP

EMC (IEC 60601-1-2:2014):	FCC Class B Radiated & Conducted CISPR11 Class B Radiated & Conducted EN55011 Class B Radiated & Conducted
Harmonic Currents	IEC 61000-3-2
Voltage Flicker	IEC 61000-3-3
Electrostatic Discharge	IEC 61000-4-2: ±15kV Air, ±8kV contact
Radiated Immunity	IEC 61000-4-3: 10V/m
EFT/Burst	IEC 61000-4-4: ±2kV
Surge Immunity	IEC 61000-4-5: 1kV diff, 2kV com
Conducted Immunity	IEC 61000-4-6: 10Vrms
Magnetic Field	IEC 61000-4-8: 30A/m
Dips / Interruptions	IEC 61000-4-11: Voltage dip immunity, 30% reduction for 500ms, 100% reduction for 10ms

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

General

Dimensions	3.94"(100mm)L x 1.77"(45mm)W x 1.22"(31mm)H
AC Input Receptacle	IEC320 C14, C6, C8, C18
DC output Plug	2.1x5.5mm barrel connector
Weight	0.44lb

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Specifications subject to change.
PEAMD36: June 6, 2016



Models and Ratings Chart

Model	Output voltage	Current	Total Power	Load Regulation	Line Regulation	Ripple & Noise (Vp-p)
PEAMD36-10-B1	5VDC	4.00A	20W	+/-5%	+/-1%	100mV
PEAMD36-11-B1	9VDC	3.00A	27W	+/-5%	+/-1%	250mV
PEAMD36-12-B1	12VDC	3.00A	36W	+/-5%	+/-1%	250mV
PEAMD36-13-B1	15VDC	2.00A	30W	+/-5%	+/-1%	250mV
PEAMD36-13-1-B1	18VDC	1.66A	30W	+/-5%	+/-1%	350mV
PEAMD36-13-2-B1	19VDC	1.57A	30W	+/-5%	+/-1%	350mV
PEAMD36-14-B1	24VDC	1.50A	36W	+/-5%	+/-1%	350mV
PEAMD36-17-B1	36VDC	0.83A	30W	+/-5%	+/-1%	480mV
PEAMD36-18-B1	48VDC	0.62A	30W	+/-5%	+/-1%	480mV

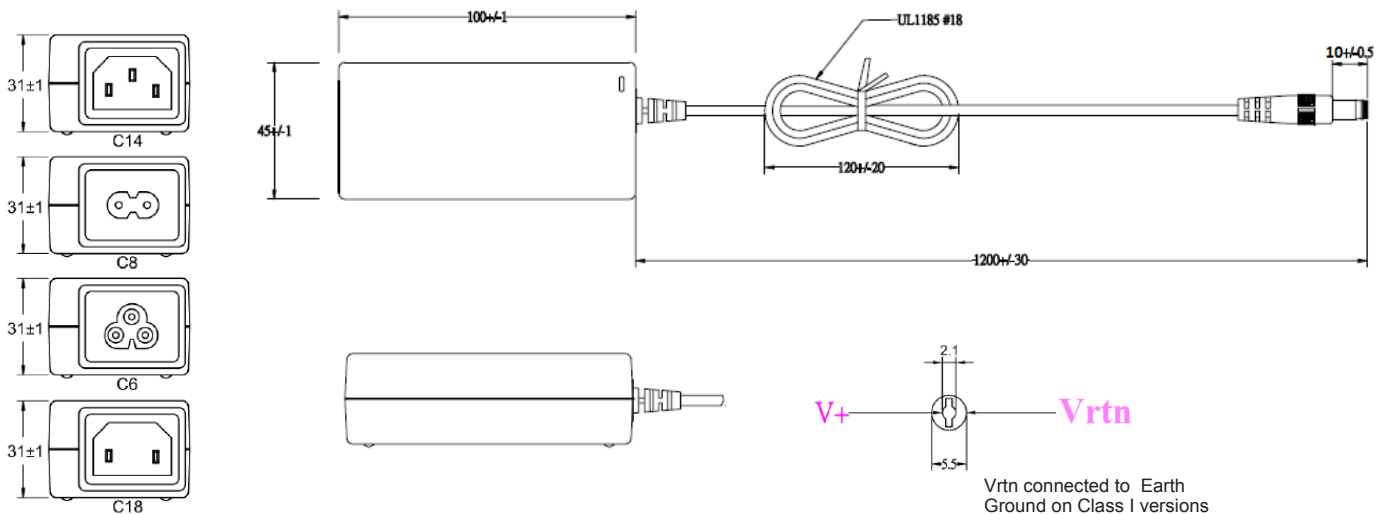
C14 standard input receptacle

For C8 input receptacle, model numbers are PEAMD36SF. For example, PEAMD36SF-12

For C6 input receptacle, model numbers are PEAM36S. For example, PEAMD36S-12

For C18 input receptacle, model numbers are PEAMD36F. For example, PEAMD36F-12

Mechanical Outline



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