



- 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	2.0A max at 115VAC 1A max at 230VAC
Inrush Current	<100A at 240VAC, cold start, 25°C

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
Earth Leakage Current (Class I)	<110uA 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

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

Compliance

Safety Approvals

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

EMC:

FCC Class B Radiated & Conducted	FCC Class B Radiated & Conducted
CISPR11 Class B Radiated & Conducted	EN55011 Class B Radiated & Conducted
IEC 61000-3-2	IEC 61000-3-2
IEC 61000-3-3	IEC 61000-3-3
IEC 61000-4-2: 8kV Air, 6kV contact	IEC 61000-4-2: 8kV Air, 6kV contact
IEC 61000-4-3: 3V/m	IEC 61000-4-3: 3V/m
IEC 61000-4-4: +/-1kV	IEC 61000-4-4: +/-1kV
IEC 61000-4-5: 2005 1kV diff, 2kV com	IEC 61000-4-5: 2005 1kV diff, 2kV com
IEC 61000-4-6: 3Vrms	IEC 61000-4-6: 3Vrms
IEC 61000-4-8: 1A/m	IEC 61000-4-8: 1A/m
IEC 61000-4-11: 30% reduction for 500ms and >95% reduction for 10ms	IEC 61000-4-11: 30% reduction for 500ms and >95% reduction for 10ms

General

Dimensions	5.4"(137mm)L x 2.3"(59mm)W x 1.3"(34mm)H
AC Input Receptacle	IEC320 C14, C8
DC output Plug	2.5x5.5mm barrel connector
Weight	1lb

Your Partners in Power.....

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Specifications subject to change.
PEAMD120: JULY 9, 2015



Models and Ratings Chart

Model	Voltage	Max. Current	Total Power	Load Regulation	Line Regulation	Ripple & Noise (P-P)
PEAMD120-12-B2	12V	10.00A	120W	+/-5%	+/-1%	240mV
PEAMD120-13-B2	15V	8.00A	120W	+/-5%	+/-1%	240mV
PEAMD120-13-2-B2	19V	6.32A	120W	+/-5%	+/-1%	360mV
PEAMD120-14-B2	24V	5.00A	120W	+/-5%	+/-1%	360mV
PEAMD120-18-B2	48V	2.71A	130W	+/-5%	+/-1%	840mV

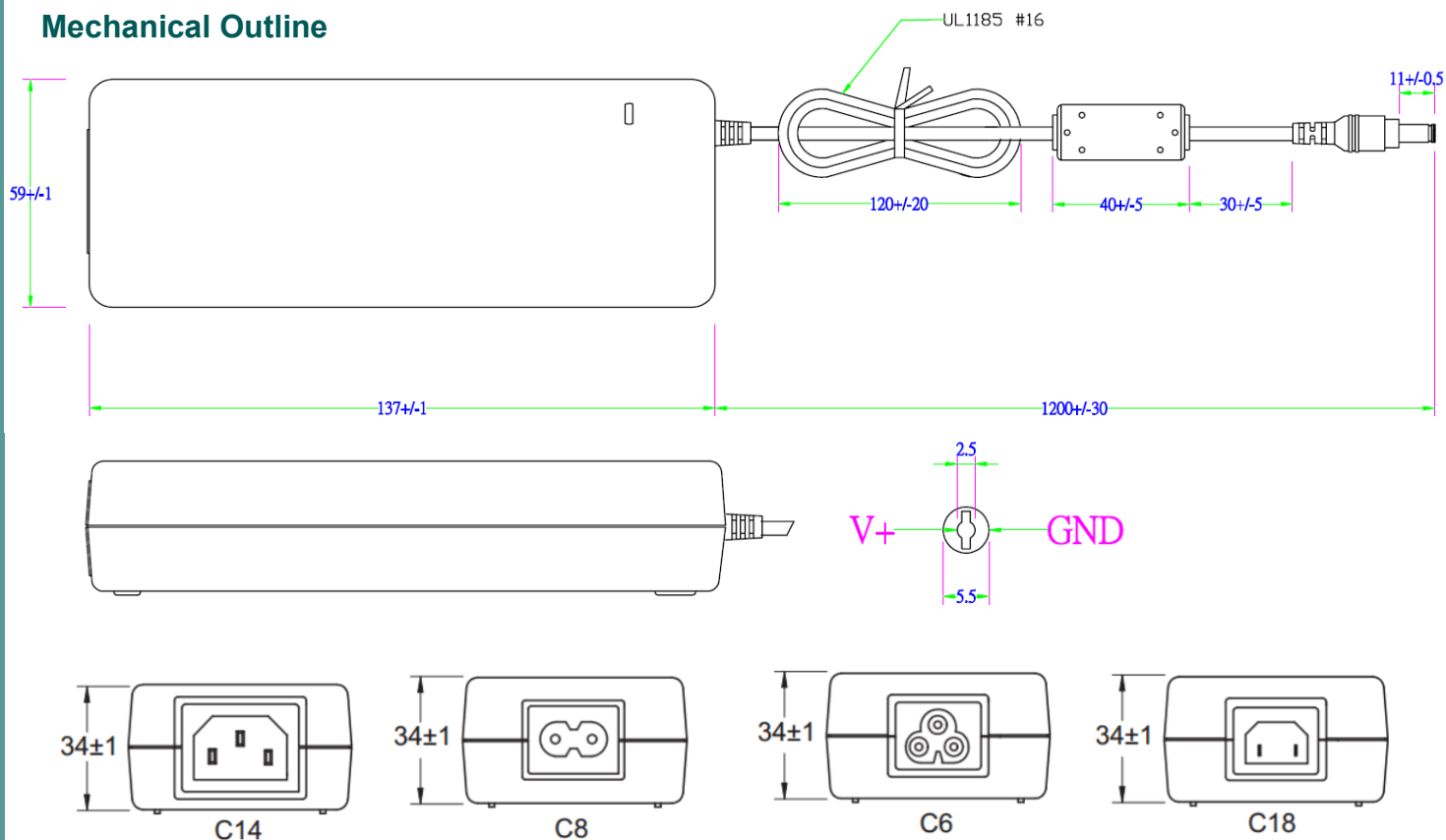
C14 standard input receptacle

For C8 input receptacle, model numbers are PEAMD120SF. For example, PEAMD120SF-12

For C6 input receptacle, model numbers are PEAMD120S. For example, PEAMD120S-12

For C18 input receptacle, model numbers are PEAMD120F. For example, PEAMD120F-12

Mechanical Outline



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