



- Class I and Class II Versions
- BF Rated Class II Version
- <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	<100A at 240VAC, cold start, 25°C

#### Output

Total Output	50W
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	<50uA at 264VAC, 60Hz
Average Active Efficiency	Meets DOE level VI requirements, except for 5V and 9V models. See models and ratings chart for details.
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 60°C. Derate linearly by 2.5%/°C above 40°C
Storage Temperature	-20°C to +85°C
Humidity	5% - 90% non-condensing
Altitude	<3000m 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:

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: 2005 1kV diff, 2kV com
Conducted Immunity	IEC 61000-4-6: 3Vrms
Magnetic Field	IEC 61000-4-8: 30A/m
Dips / Interruptions	IEC 61000-4-11: 30% reduction for 500ms and >95% reduction for 10ms

#### General

Dimensions	4.45"(113mm)L x 1.93"(49mm)W x 1.37"(35mm)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.  
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### Models and Ratings Chart

Model	Voltage	Max. Current	Total Power	Load Regulation	Line Regulation	Ripple & Noise (P-P)	Efficiency Level
PEAMD50-10	5V	7.00A	35W	+/-5%	+/-3%	100mV	V
PEAMD50-11	9V	3.88A	35W	+/-5%	+/-3%	100mV	V
PEAMD50-12	12V	4.17A	50W	+/-5%	+/-3%	250mV	VI
PEAMD50-13	15V	3.33A	50W	+/-5%	+/-3%	250mV	VI
PEAMD50-13-1	18V	2.63A	47.3W	+/-5%	+/-3%	350mV	VI
PEAMD50-13-2	19V	2.63A	50W	+/-5%	+/-3%	350mV	VI
PEAMD50-14	24V	2.08A	50W	+/-5%	+/-3%	350mV	VI
PEAMD50-17	36V	1.38A	50W	+/-5%	+/-3%	500mV	VI
PEAMD50-18	48V	1.04A	50W	+/-5%	+/-3%	720mV	VI

C14 standard input receptacle

For C8 input receptacle, model numbers are PEAMD50SF. For example, PEAMD50SF-12

For C6 input receptacle, model numbers are PEAMD50S. For example, PEAMD50S-12

For C18 input receptacle, model numbers are PEAMD50F. For example, PEAMD50F-12

### Mechanical Outline

