



- Efficiency Level V
- Short Circuit, Overload and Overvoltage Protection
- Class I/II
- No Load Operation
- 100% Burn-In/Hi-Pot Testing
- RoHS Compliant
- UL/EN60601-1 3rd Edition

Electrical Specifications

Input

Input Voltage	90-264VAC
Input Frequency	47-63 Hz
Input Current	2.5A @ 100VAC
Safety Isolation	4.0kVAC Input to Output 1.5kVAC Input to Ground
Leakage Current	<100uA @ 240VAC

Output

Total Output	90W
Output Voltage	See table
Hold Up Time	≥10mS @ full load, 100VAC
Turn On Time	<3 seconds
Efficiency	≥87% average efficiency
Minimum Load	No minimum load

Protection

Overvoltage	120%-150% of rating voltage. Latching mode. Cycle AC for recovery
Short Circuit	Hiccup mode. Auto recovery.
Overcurrent	180% of rated current. Auto-restart when fault removed.

Environmental & Operating

Operating Temperature	0°C to +40°C
Storage Temperature	-20°C to +85°C
Humidity	10% - 90% non-condensing
MTBF:	>150,000 hours per MIL-HDBK-217F @ full load and at 25°C

Compliance

Safety Approvals

USA	UL60601-1
Canada	CSA C22.2 No. 60601-1
Europe	TUV EN60601-1

Isolation

CB Report
4000VAC input to output, 2 x MOPP
1500 VAC input to ground, 1 x MOPP

EMC:

Harmonic Currents	FCC Class B Radiated & Conducted
Voltage Flicker	CISPR11 Class B Radiated & Conducted
Electrostatic Discharge	EN55011 Class B Radiated & Conducted
Radiated Immunity	IEC 61000-3-2
EFT/Burst	IEC 61000-3-3
Surge Immunity	IEC 61000-4-2
Conducted Immunity	IEC 61000-4-3
Magnetic Field	IEC 61000-4-4
Dips / Interruptions	IEC 61000-4-5
	IEC 61000-4-6
	IEC 61000-4-8
	IEC 61000-4-11

General

Dimensions	5.98"L x 2.32"W x 1.33"H
AC Input Receptacle	IEC320-C6, C8, C14 or C18
DC Output Plug	Kycon KPP-4P or equivalent
Weight	1.21 pounds

Your Partners in Power.....

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Models and Ratings Chart

Model No.	Output Voltage	Current	Total Power	Output Regulation	Ripple & Noise (Vp-p)	Efficiency Level
PEAMD90-12	12VDC	7.5A	90W	+/-5%	300mV	V
PEAMD90-13	15VDC	6.0A	90W	+/-5%	300mV	V
PEAMD90-13-3	16VDC	5.62A	90W	+/-5%	300mV	V
PEAMD90-13-1	18VDC	5.0A	90W	+/-5%	300mV	V
PEAMD90-13-2	19VDC	4.73A	90W	+/-5%	300mV	V
PEAMD90-14	24VDC	3.75A	90W	+/-5%	300mV	V

C14 standard receptacle

For C8 input receptacle, model numbers are PEAMDSF90. For example, PEAMDSF90-12

For C6 input receptacle, model numbers are PEAMDS90. For example, PEAMDS90-12

For C18 input receptacle, model numbers are PEAMDF90. For example, PEAMDF90-12

Mechanical Outline

