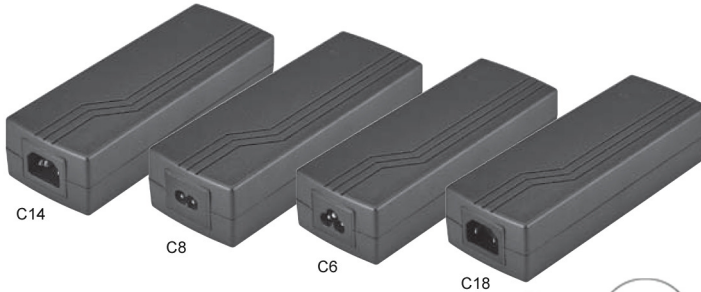


# Power Partners

## PEAMD150 Series 150W Power Supply



- IEC 60601-1-2 4th Edition EMC Compliant
- Efficiency Level VI
- <210mW No Load Power Consumption
- BF Rated Output on Class II Models
- IEC320-C6, C8, C14 or C18 Inlet
- Short Circuit, Overload and Overvoltage Protection

### Electrical Specifications

#### Input

Input Voltage	90-264VAC
Input Frequency	47-63 Hz
Input Current	<2.0A max. @ 115VAC
Safety Isolation	4.0kVAC Input to Output 1.5kVAC Input to Ground
Leakage Current	<100uA @ 240VAC
Inrush Current	60A @ 110VAC, 120A @ 220VAC; cold start, max. load

#### Output

Total Output	150W
Output Voltage	See table
Hold Up Time	>10mS typical/full load,
Turn On Time	100VAC <3 seconds
Efficiency	≥88% average
Minimum Load	No minimum load

#### Protection

Overvoltage	150% max. of rated voltage. Latching mode. Cycle AC for recovery.
Short Circuit	Hiccup mode. Auto recovery.
Overcurrent	110-150% of rated current. Auto-restart when fault removed.
Ingress	IP22 Compliant

#### Environmental

Operating Temperature	0°C to +60°C (Derate output power linearly from 100% at 40°C to 50% at 60°C)
Storage Temperature	-20°C to +85°C
Humidity	10% - 90% non-condensing
MTBF:	>100,000 hours @ full load and 25°C per MIL-HDBK-217F
Altitude:	5,000 Meters Operating & Non-operating

#### Compliance

##### Safety Approvals

<b>USA</b>	ANSI/AAMI ES60601-1
<b>Canada</b>	cUL ES60601-1
<b>Europe</b>	TUV EN60601-1 3rd edition
	CB Report
<b>Isolation</b>	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
	IEC 61000-3-2
	IEC 61000-3-3
	IEC 61000-4-2: ±15kV Air, ±8kV contact
	IEC 61000-4-3: 10V/m
	IEC 61000-4-4: ±2kV
	IEC 61000-4-5: 1kV diff, 2kV com
	IEC 61000-4-6: 10Vrms
	IEC 61000-4-8: 30A/m
	IEC 61000-4-11: Voltage dip immunity, 30% reduction for 500ms, 100% reduction for 10ms

<b>Harmonic Currents</b>	
<b>Voltage Flicker</b>	
<b>Electrostatic Discharge</b>	
<b>Radiated Immunity</b>	
<b>EFT/Burst</b>	
<b>Surge Immunity</b>	
<b>Conducted Immunity</b>	
<b>Magnetic Field</b>	
<b>Dips / Interruptions</b>	

#### General

Dimensions	7.0"L x 2.56"W x 1.57"H
AC Input Receptacle	IEC320-C6, C8, C14 or C18
DC Output Plug	Kycon KPP-4P or equivalent
Weight	1.5 pounds

Your Partners in Power.....

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Specifications subject to change.  
PEAMD150: April 3, 2018

### Models and Ratings Chart

Model	Output Voltage	Current	Total Power	Load Regulation	Line Regulation	Ripple & Noise (V <sub>p-p</sub> )
PEAMD150-12	12VDC	12.5A	150W	+/-5%	+/-1%	240mV
PEAMD150-13	15VDC	10.0A	150W	+/-5%	+/-1%	240mV
PEAMD150-13-2	19VDC	7.89A	150W	+/-5%	+/-1%	360mV
PEAMD150-14	24VDC	6.25A	150W	+/-5%	+/-1%	360mV
PEAMD150-17	36VDC	4.17A	150W	+/-5%	+/-1%	630mV
PEAMD150-18	48VDC	3.13A	150W	+/-5%	+/-1%	840mV

C14 standard receptacle

For C8 input receptacle, model numbers are PEAMD150SF-XX.

For C6 input receptacle, model numbers are PEAMD150S-XX.

For C18 input receptacle, model numbers are PEAMD150F-XX.

For example, PEAMD150SF-12

For example, PEAMD150S-12

For example, PEAMD150F-12

### Mechanical Outline

