

- Efficiency Level VI
- <300mW No Load Power Consumption
- Short Circuit, Overload and Overvoltage Protection
- IEC320-C6, C8, C14 or C18 Inlet
- 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	<2.0A 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	180W
Output Voltage	See table
Hold Up Time	>10mS typical/full load, 100VAC
Turn On Time	<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.

Environmental

Operating Temperature	0°C to +40°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 & NonOperating

Compliance

Safety Approvals	UL60601-1-1 CSA C22.2 No. 60601-1 TUV EN60601-1 CB Report
USA	
Canada	
Europe	
Isolation:	4000VAC input to output, 2 x MOPP 1500 VAC input to ground, 1 x MOPP
EMC:	FCC Class B Radiated & Conducted EN60601-1-2: 2001+A1: 2006 EN55011: 2007 IEC 61000-3-2: 2006, Class D IEC 61000-3-3: 1995+A1: 2001+A2: 2005 IEC 61000-4-2: 1995+A1: 1998+A2: 2000 IEC 61000-4-3: 2006 IEC 61000-4-4: 2004 IEC 61000-4-5: 2005 IEC 61000-4-6: 2007 IEC 61000-4-8: 1993+A1: 2000 IEC 61000-4-11: 2004
Harmonic Currents	
Voltage Flicker	
Electrostatic Discharge	
Radiated Immunity	
EFT/Burst	
Surge Immunity	
Conducted Immunity	
Magnetic Field	
Dips / Interruptions	

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.....

Power Partners, Inc. | 43 Broad Street | Hudson, MA 01749

Tel: (978)567-9600 | Fax: (978)567-9601

Website: www.powerpartners-inc.com

Specifications subject to change.
PEAMD180: March 24, 2014

Models and Ratings Chart

Model	Voltage	Current	Power	Regulation	Regulation	(p-p)
PEAMD180-12	12VDC	13.33A	180W	+/-5%	+/-1%	240mV
PEAMD180-13	15VDC	10.66A	180W	+/-5%	+/-1%	240mV
PEAMD180-13-2	19VDC	9.47A	180W	+/-5%	+/-1%	360mV
PEAMD180-14	24VDC	7.50A	180W	+/-5%	+/-1%	360mV
PEAMD180-17	36VDC	5.00A	180W	+/-5%	+/-1%	630mV
PEAMD180-18	48VDC	3.75A	180W	+/-5%	+/-1%	840mV

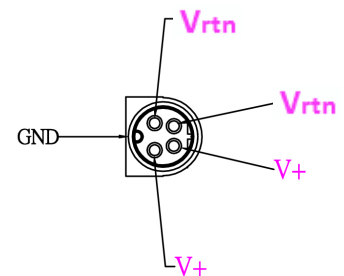
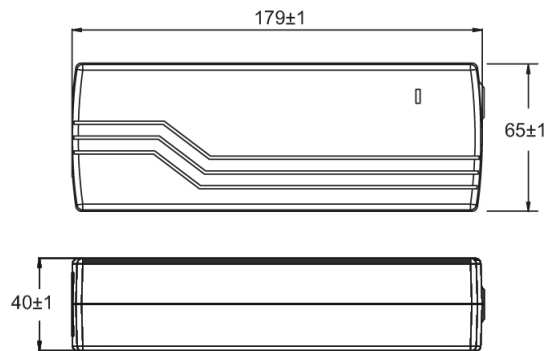
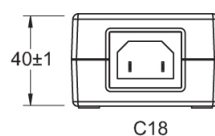
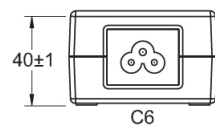
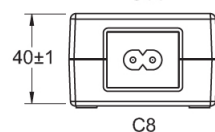
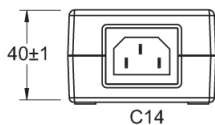
C-14 Standard Receptacle

For C8 input receptacle, model numbers are PEAMDSF180, For Example PEAMDSF180-12

For C6 input receptacle, model numbers are PEAMDS180, For Example PEAMDS180-12

For C8 input receptacle, model numbers are PEAMDF180, For Example PEAMDF180-12

Mechanical Outline



Shell and Vrtn connected to Earth Ground for PEAMD180-XX and PEAMDS180-XX