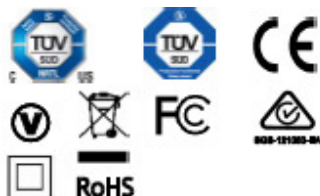


Power Partners

PEAD90SLF Series 90W Power Supply



0.66" Height

- Slim Profile 3.85" x 2.56" x .66"
- Efficiency Level V
- <500mW No Load Power Consumption
- Short Circuit Protection
- Overload 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	1A @ 115VAC, 0.55A @ 230VAC
Safety Isolation	3.0kVAC Input to Output 1.5kVAC Input to Ground
Inrush Current	45A @ 110VAC, 90A @ 220VAC cold start

Output

Total Output	72-90W, see table
Output Voltage	See table
Hold Up Time	>10mS typical/full load
Efficiency	>87% average
Minimum Load	No minimum load
Ripple & Noise	See table

Protection

Overvoltage	150% typical of nominal output. Latching mode. Cycle AC for recovery
Overcurrent	110-150% of maximum output current, auto recovery
Short Circuit	Hiccup mode. Auto recovery

Environmental & Operating

Operating Temperature	0°C to +40°C
Storage Temperature	-20°C to +85°C
Humidity	10% - 90% non-condensing
MTBF	>100,000 @ full load and 25°C per MIL-HDBK-217F
Altitude	2KM operation, 5KM non operation

Compliance

Safety Approvals

USA	UL60950-1
Canada	CSA C22.2 No. 60950-1
Europe	TUV EN60950-1
EMC:	CB Report FCC Class B Radiated & Conducted CISPR22 Class B Radiated & Conducted EN55022 Class B Radiated & Conducted EN55024: 1998+A1: 2001+A2: 2003
Harmonic Currents	IEC 61000-3-2: 2006
Voltage Flicker	IEC 61000-3-3: 1995+A1: 2001+A2: 2005
Electrostatic Discharge	IEC 61000-4-2: 1995+A1: 1998+A2: 2000
Radiated Immunity	IEC 61000-4-3: 2006
EFT/Burst	IEC 61000-4-4: 2004
Surge Immunity	IEC 61000-4-5: 2005
Conducted Immunity	IEC 61000-4-6: 2007
Magnetic Field	IEC 61000-4-8: 1993+A1: 2000
Dips / Interruptions	IEC 61000-4-11: 2004

General

Dimensions	3.85"L x 2.56"W x 0.66"H
AC Input Receptacle	IEC320-C8
DC Output Plug	Barrel Type: Please see drawing for detail. others available upon request
Weight	1.0 pounds

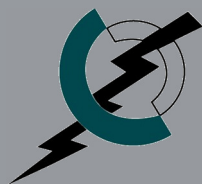
Your Partners in Power.....

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Website: www.powerpartners-inc.com

Specifications subject to change.
PEAD90SLF: April 17, 2014



Models and Ratings Chart

Model	Voltage	Current	Total Power	Load Regulation	Line Regulation	Ripple & Noise (P-P)
PEAD90SLF-12-B2	12VDC	6.00A	72W	+/-5%	+/-1%	240mV
PEAD90SLF-13-1-B2	18VDC	4.74A	85W	+/-5%	+/-1%	360mV
PEAD90SLF-13-2-B2	19VDC	4.73A	90W	+/-5%	+/-1%	380mV
PEAD90SLF-14-B2	24VDC	3.75A	90W	+/-5%	+/-1%	480mV

Mechanical Outline

