



Power Partners

PEAD70SLF Series 60-70W Power Supply



- Slim Profile 3.66" x 2.28" 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	2.0A @ 100VAC
Safety Isolation	3.0kVAC Input to Output 1.5kVAC Input to Ground

Output

Total Output	50-70W, see table
Output Voltage	See table
Hold Up Time	>10mS typical/full load/100VAC
Efficiency	>87% average
Minimum Load	No minimum load
Ripple & Noise	300mV peak to peak max

Protection

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

Environmental & Operating

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

Compliance

Safety Approvals

USA	UL60950-1
Canada	CSA C22.2 No. 60950-1
Europe	TUV EN60950-1
	CB Report

EMC:

	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	3.66"L x 2.28"W x 0.66"H
AC Input Receptacle	IEC320-C8
DC Output Plug	Barrel Type: 2.5mm x 5.5mm x 9.5mm Center positive polarity
Weight	0.42 pounds

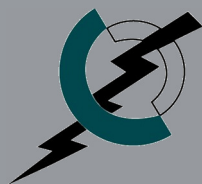
Your Partners in Power.....

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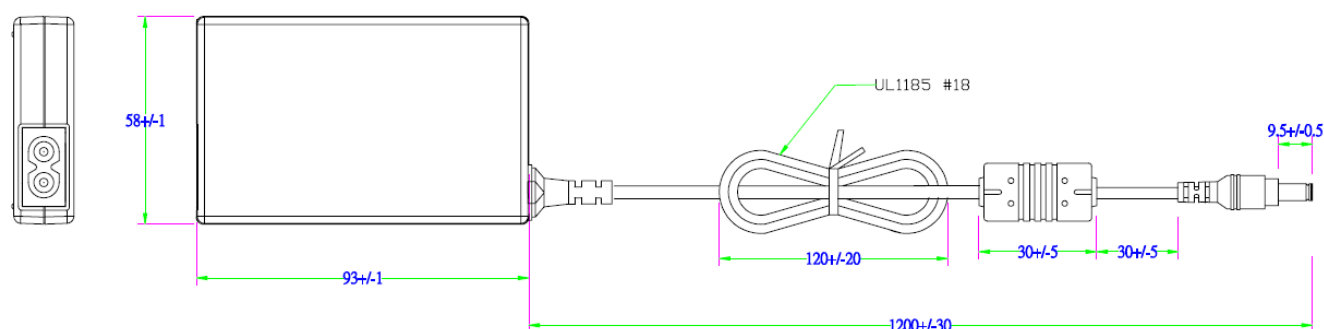
Specifications subject to change.
PEAD70SLF: May 7, 2014



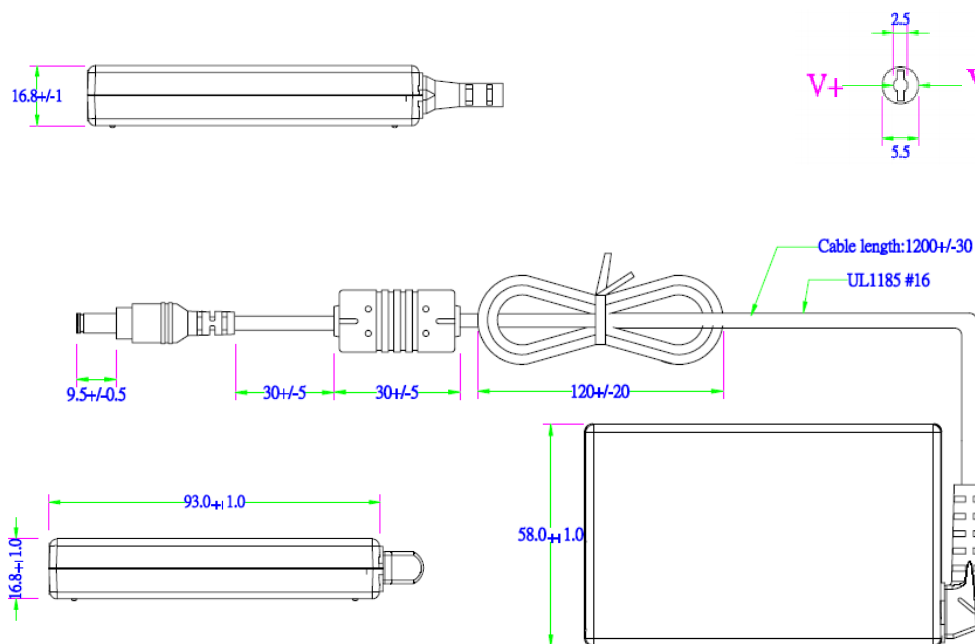
Models and Ratings Chart

Model	Output Voltage	Current	Total Power	Load Regulation	Line Regulation	Ripple & noise (p-p)
PEAD70SLF-12-B2	12V	4.16A	50W	+/-5%	+/-1%	300mV
PEAD70SLF-13-B2	15V	4.0A	60W	+/-5%	+/-1%	300mV
PEAD70SLF-13-1-B2	18V	3.89A	70W	+/-5%	+/-1%	300mV
PEAD70SLF-13-2-B2	19V	3.63A	70W	+/-5%	+/-1%	300mV
PEAD70SLF-14-B2	24V	2.91A	70W	+/-5%	+/-1%	300mV

Mechanical Outline



Model:
PEAD70SLF-13-1
PEAD70SLF-13-2
PEAD70SLF-14



Model:
PEAD70SLF-12
PEAD70SLF-13