



Power Partners

PEAMW30I Series 30W Power Supply



- Approved to IEC 60601-1-2:2014 (4th Edition)
- Class II Double Insulated (2 MOPP Rated)
- Interchangeable AC Plugs
- Meets Efficiency Level VI requirements
- <100mW No Load Power Consumption
- Short Circuit Protection
- Overload Protection



Electrical Specifications

Input

Input Voltage	90-264VAC
Input Frequency	47-63 Hz
Input Current	1.0A -0.5A, 115-230VAC
Safety Isolation	4.0kVAC Input to Output
Inrush Current	<30A peak @ 115VAC, cold start at 25°C <60A peak @ 230VAC, cold start at 25°C
No Load Power	<100mW

Output

Total Output	20-30W, see table for details
Output Voltage	See table
Hold Up Time	>8.3 msec @ full load and 115VAC/60Hz input
Turn On Time	<3 seconds
Efficiency	Meets DOE level VI requirements
Minimum Load	No minimum load
Switching Frequency	50 kHz typical
Line Regulation	± 1% of rated output voltage at full load

Protection

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

Environmental & Operating

Operating Temperature	0°C to +40°C
Storage Temperature	-20°C to +85°C
Operating Altitude	<5000m
Operating Humidity	10% - 90% non-condensing
Storage Humidity	5% - 90% non-condensing
MTBF:	>100,000 hours per MIL-HDBK-217F at full load and 25°C ambient

Compliance

Safety Approvals

USA	ANSI/AAMI ES60601-1
Canada	cUL ES60601-1
Europe	TUV EN60601-1
China	CCC Mark
	CB Report
	CE Mark
EMC:	FCC Class B Radiated & Conducted
	EN55022: Class B
	IEC/EN 60601-1-2:2014
Harmonic Currents	IEC 61000-3-2
Voltage Flicker	IEC 61000-3-3
Electrostatic Discharge	IEC 61000-4-2
Radiated Immunity	IEC 61000-4-3
EFT/Burst	IEC 61000-4-4
Surge Immunity	IEC 61000-4-5
Conducted Immunity	IEC 61000-4-6
Magnetic Field	IEC 61000-4-8
Dips / Interruptions	IEC 61000-4-11

General

Dimensions	2.90"(73.6mm)L x 1.69"(42.8mm)W x 1.28"(32.5mm)H
AC Input	Interchangeable Plugs
Output Plug	Barrel Type: 5.5mm x 2.5mm x 9.5mm Center positive (others upon request)
Weight	0.44 pounds

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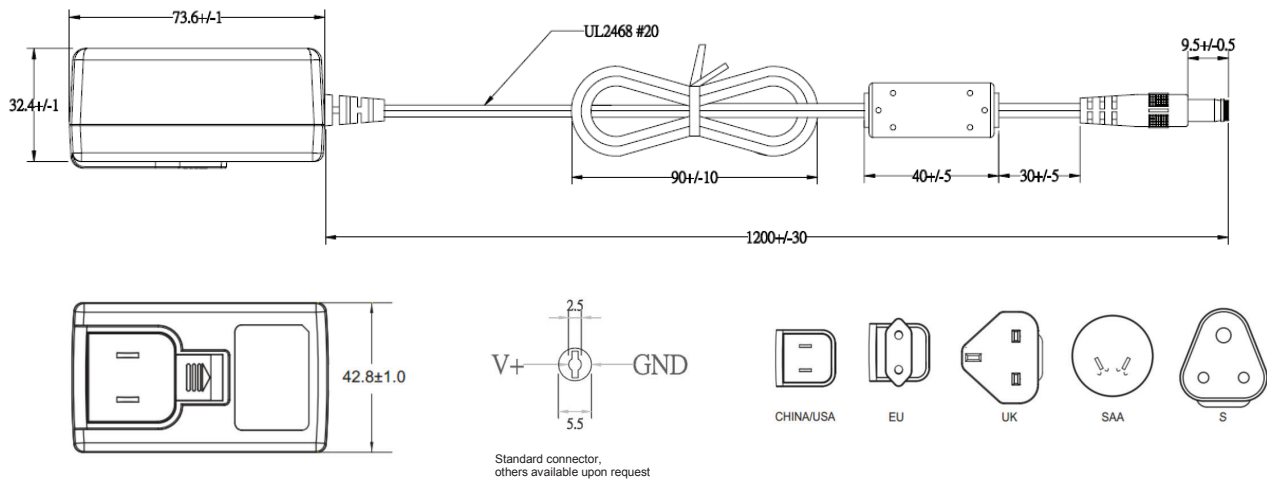
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Models and Ratings Chart

Model No.	Output voltage	Current	Total Power	Output Regulation	Ripple & Noise (Vp-p)
PEAMW30I-10-B2	5VDC	4.00A	20W	± 5%	100mV
PEAMW30I-11-B2	9VDC	3.00A	27W	± 5%	250mV
PEAMW30I-12-B2	12VDC	2.50A	30W	± 5%	250mV
PEAMW30I-13-B2	15VDC	2.00A	30W	± 5%	250mV
PEAMW30I-13-1-B2	18VDC	1.67A	30W	± 5%	350mV
PEAMW30I-14-B2	24VDC	1.25A	30W	± 5%	350mV
PEAMW30I-17-B2	36VDC	0.83A	30W	± 5%	480mV
PEAMW30I-18-B2	48VDC	0.62A	30W	± 5%	480mV

Mechanical Outline



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