



Power Partners

PEAW36I Series 36W Power Supply


CB
CE

FC


*Note: Country specific approvals may not apply to all models shown. Please consult factory.

- Class II Configuration
- Interchangeable AC Plugs
- Efficiency Level VI
- <100mW No Load Power Consumption
- Short Circuit Protection
- Overload Protection
- No Load Operation

Electrical Specifications

Input

Input Voltage	90-264VAC
Input Frequency	47-63 Hz
Input Current	1.0A -0.5A, 115VAC- 230VAC
Safety Isolation	3.0kVAC 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	20-36W, 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	86.9% Avg. min.@ 100~240Vac, 50/60Hz (except PEA30I-10 83.1% avg. min.)
Minimum Load	Meets DOE level VI requirements
Switching Frequency	No minimum load
Line Regulation	50 kHz typical
	<± 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.
Ingress	IP22 Compliant

Environmental & Operating

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
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	UL60950-1
Canada	cUL60950-1
Europe	UL/cUL62368-1 (Pending) TUV EN60950-1/A12: 2011

EMC:

	CB Report EN62368-1 (Pending)
	FCC Class B Radiated & Conducted
	CISPR22 Class B Radiated & Conducted
	EN55022 Class B Radiated & Conducted

Harmonic Currents	IEC 61000-3-2
Voltage Flicker	IEC 61000-3-3
Electrostatic Discharge	IEC 61000-4-2: 8kV Air, 6kV contact
Radiated Immunity	IEC 61000-4-3: 3V/m
EFT/Burst	IEC 61000-4-4: +/-1kV
Surge Immunity	IEC 61000-4-5: 2005 1kV diff, 2kV com
Conducted Immunity	IEC 61000-4-6: 3Vrms
Magnetic Field	IEC 61000-4-8: 1A/m
Dips / Interruptions	IEC 61000-4-11: 30% reduction for 500ms, >95% reduction for 10ms.

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

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.
PEAW30I: November 12, 2018



Models and Ratings Chart

Model No.	Output voltage	Current	Total Power	Output Regulation	Ripple & Noise (Vp-p)	Efficiency Level
PEAW30I-10-B2	5VDC	4.00A	20W	± 5%	100mV	VI
PEAW30I-11-B2	9VDC	3.00A	27W	± 5%	250mV	VI
PEAW30I-12-B2	12VDC	2.50A	30W	± 5%	250mV	VI
PEAW36I-12-B2	12VDC	3.00A	36W	± 5%	250mV	VI
PEAW30I-13-B2	15VDC	2.00A	30W	± 5%	250mV	VI
PEAW30I-13-1-B2	18VDC	1.67A	30W	± 5%	350mV	VI
PEAW30I-14-B2	24VDC	1.25A	30W	± 5%	350mV	VI
PEAW36I-14-B2	24VDC	1.50A	36W	± 5%	350mV	VI
PEAW30I-17-B2	36VDC	0.83A	30W	± 5%	480mV	VI
PEAW30I-18-B2	48VDC	0.62A	30W	± 5%	480mV	VI

Mechanical Outline

