



Power Partners

PPWAMW24 Series 24W Power Supply



- Efficiency Level V
- <300mW No Load Power Consumption
- Short Circuit Protection
- Overload Protection
- No Load Operation
- 100% Burn-In/Hi-Pot Testing
- Class II Double Insulated
- Power ON LED Indicator
- Interchangeable AC Adapters for Worldwide Applications

Electrical Specifications

Input

Input Voltage	90-264VAC
Input Frequency	47-63 Hz
Input Current	<0.7A @ 90VAC
Safety Isolation	3.0kVAC Input to Output 1.5kVAC Input to Ground
Inrush Current	<65A peak @ 115VAC, cold start at 25°C <130A peak @ 230VAC, cold start at 25°C
No Load Power	0.3 Watts

Output

Total Output	24W
Output Voltage	See table
Hold Up Time	>10 msec @ full load and 115VAC/60Hz input
Turn On Time	<3 seconds
Efficiency	>75% min @ 100~240Vac, 50/60Hz
Minimum Load	No minimum load
Switching Frequency	50 kHz typical

Protection

Overvoltage	120%-150% of rated voltage. Latching mode. Cycle AC for recovery
Short Circuit	Hiccup mode. Auto recovery.
Overcurrent	120%-150% of rated current. Auto-restart when fault removed.

Environmental & Operating

Operating Temperature	-20°C to +60°C
Storage Temperature	-25°C to +85°C
Humidity	20% - 90% non-condensing
MTBF:	>150,000 hours per MIL-HDBK-217F @ full load and at 25°C

Compliance

Safety Approvals

USA	UL60601-1
Canada	CSA C22.2 No. 601.1-M90
Europe	NEMKO EN60601-1 CB Report CE Mark

Isolation:

4000VAC input to output, 2 x MOPP
1500 VAC input to ground, 1 x MOPP
500 VAC output to Ground, 1 x MOPP

EMC:

FCC Class B Radiated & Conducted
EN55011: Class B
EN61000-3-2:2006+A1: 2009+A2:2009
IEC 61000-3-3: 2008
IEC 61000-4-2: 2009
IEC 61000-4-3: 2006+A1: 2008+A2:
2010 IEC 61000-4-4: 2004+A1: 2010
IEC 61000-4-5: 2006
IEC 61000-4-6: 2009
IEC 61000-4-8: 2010
IEC 61000-4-11: 2004

General

Dimensions	3.1"L x 2.0"W x 1.4"H
AC Input	Interchangeable
DC Output Plug	Barrel Type: 2.1mm x 5.5mm x 10mm Center positive polarity (others upon request)
Weight	0.35 pounds

Your Partners in Power.....

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Specifications subject to change.
PPWAMW24: March 24, 2014

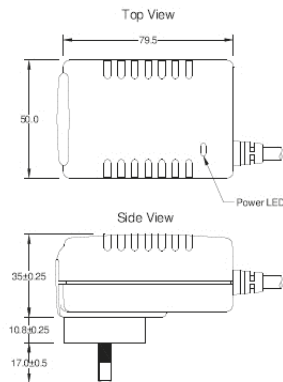


Models and Ratings Chart

Model No.	Output Voltage	Current	Total Power	Output Regulation	Ripple & Noise (Vp-p)	Efficiency Level
PPWAMW24-10	5VDC	3.00A	15W	+5/-3%	50mV	V
PPWAMW24-11	9VDC	2.67A	24W	+5/-3%	90mV	V
PPWAMW24-12	12VDC	2.00A	24W	+5/-3%	120mV	V
PPWAMW24-13-4	16VDC	1.50A	24W	+5/-3%	160mV	V
PPWAMW24-13-1	18VDC	1.34A	24W	+5/-3%	180mV	V
PPWAMW24-14	24VDC	1.00A	24W	+5/-3%	240mV	V
PPWAMW24-17	36VDC	.67A	24W	+5/-3%	360mV	V
PPWAMW24-18	48VDC	.50A	24W	+5/-3%	480mV	V

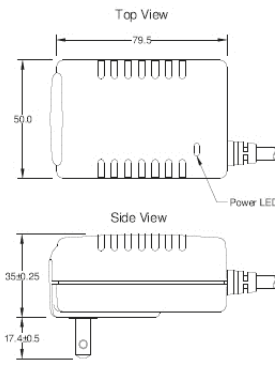
Mechanical Outline

Australia Type

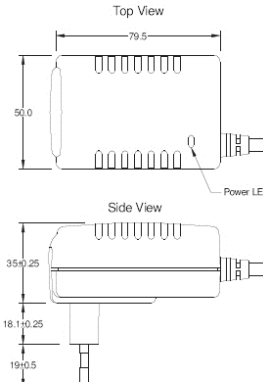


- Note:
1. AC Inlet : IEC320-C8
 2. Plastic Case Color : Black
 3. Tolerance : ±0.5mm
 4. Unit : mm

American Type



European Type



- Note:
1. AC Inlet : IEC320-C8
 2. Plastic Case Color : Black
 3. Tolerance : ±0.5mm
 4. Unit : mm

UK Type

