



Power Partners

PPWAD60 Series 60W Power Supply



- Efficiency Level V
- >85% Efficient
- <500mW No Load Power Consumption
- Short Circuit Protection
- LPS Compliant for Outputs 15V and Higher
- Overvoltage Protection
- No Load Operation
- Class I (C6) and Class II (C8) Inputs Available

Electrical Specifications

Input

Input Voltage	90-264VAC
Input Frequency	47-63 Hz
Input Current	2A @ 115VAC / 1A @ 264VAC
Safety Isolation	3.0kVAC input to output 1.5kVAC input to ground
No Load Power	<0.5 watts
Inrush Current	30A @ 115VAC, 60A @ 230VAC, cold start, 25°C

Environmental & Operating

Operating Temperature	0°C to +40°C
Storage Temperature	-10°C to +70°C
Humidity	20% - 90% non-condensing
MTBF:	>80,000 @ full load and 25°C per MIL-HDBK-217F

Output

Total Output	60W
Output Voltage	See table
Hold Up Time	>10mS typical/full load/115VAC
Efficiency	>85% average
Minimum Load	No minimum load
Switching Frequency	63Khz Typical

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, Class D
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

Protection

Overvoltage	170% of nominal on 5V, 130% of nominal on 12V to 48V models
Overload	160% of maximum output current
Short Circuit	Hiccup mode. Auto recovery

General

Dimensions	4.25"L x 1.87"W x 1.18"H
AC Input Receptacle	IEC320-C6 or IEC320-C8
DC Output Plug	Barrel Type: 2.1mm x 5.5mm x 10mm center positive polarity, others available upon request
Weight	0.58 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.
PPWAD60: Feb 22, 2011

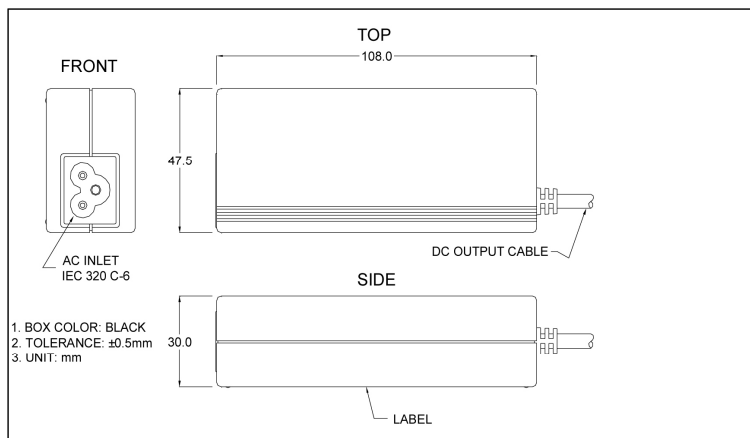
Models and Ratings Chart

Model	Voltage	Current	Total Power	Regulation	Ripple & Noise (p-p)	Efficiency Level
PPWAD60-10 (F)	5VDC	8A	40W	+/-5%	240mV	
PPWAD60-12 (F)	12VDC	5A	60W	+/-5%	240mV	
PPWAD60-13 (F)	15VDC	4A	60W	+/-5%	150mV	IV
PPWAD60-13-2 (F)	19VDC	3.4A	64.6W	+/-5%	150mV	IV
PPWAD60-14 (F)	24VDC	2.7A	64.6W	+/-5%	150mV	V
PPWAD60-17 (F)	36VDC	1.8A	64.6W	+/-5%	150mV	V
PPWAD60-18 (F)	48VDC	1.35A	64.6W	+/-5%	150mV	V

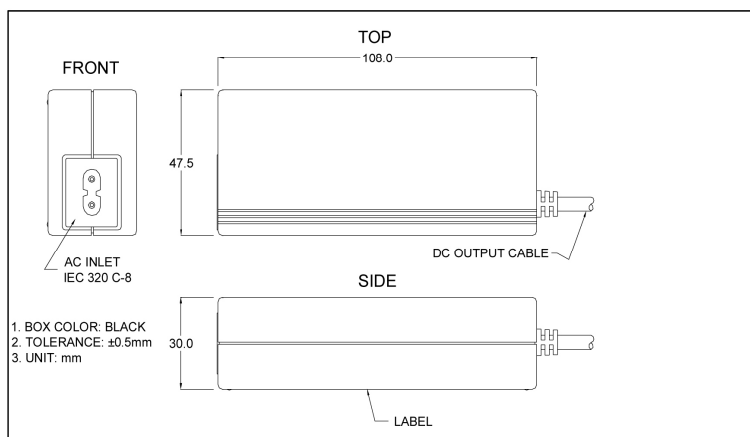
Add suffix (F) for IEC320 C-8 Input Receptacle

Mechanical Outline / Output Cable and Pin Assignment

AC INLET : IEC 320-C6 (3PIN)



AC INLET : IEC 320-C8 (2PIN)



OUTPUT CABLES:

12-49VDC MODELS: UL1185 #16AWG/1C+SHIELD,
1500MM LENGTH

5VDC MODEL: UL2464 #18AWG/3C+SHIELD,
1000MM LENGTH