



- Active Power Factor Correction
- Efficiency Level V
- >85% Efficient
- <500mW No Load Power Consumption
- Short Circuit Protection
- Overload Protection
- Overvoltage 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	2.5A @ 90VAC / 1.25A @ 264VAC
Power Factor	Per EN61000-3-2
Safety Isolation	3.0kVAC Input to Output 1.5kVAC Input to Ground

Environmental & Operating

Operating Temperature	0°C to +40°C
Storage Temperature	-10°C to +85°C
Humidity	20% - 90% non-condensing
MTBF:	>80,000 @ full load and 25°C per MIL-HDBK-217F

Output

Total Output	150W
Output Voltage	See table
Hold Up Time	>20mS typical/full load/115VAC
Efficiency	>87%
Minimum Load	No minimum load

Compliance

Safety Approvals

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

EMC:

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	Latching mode. Cycle AC for recovery
Short Circuit	Hiccup mode. Auto recovery
Overload	Hiccup mode. Auto recovery

General

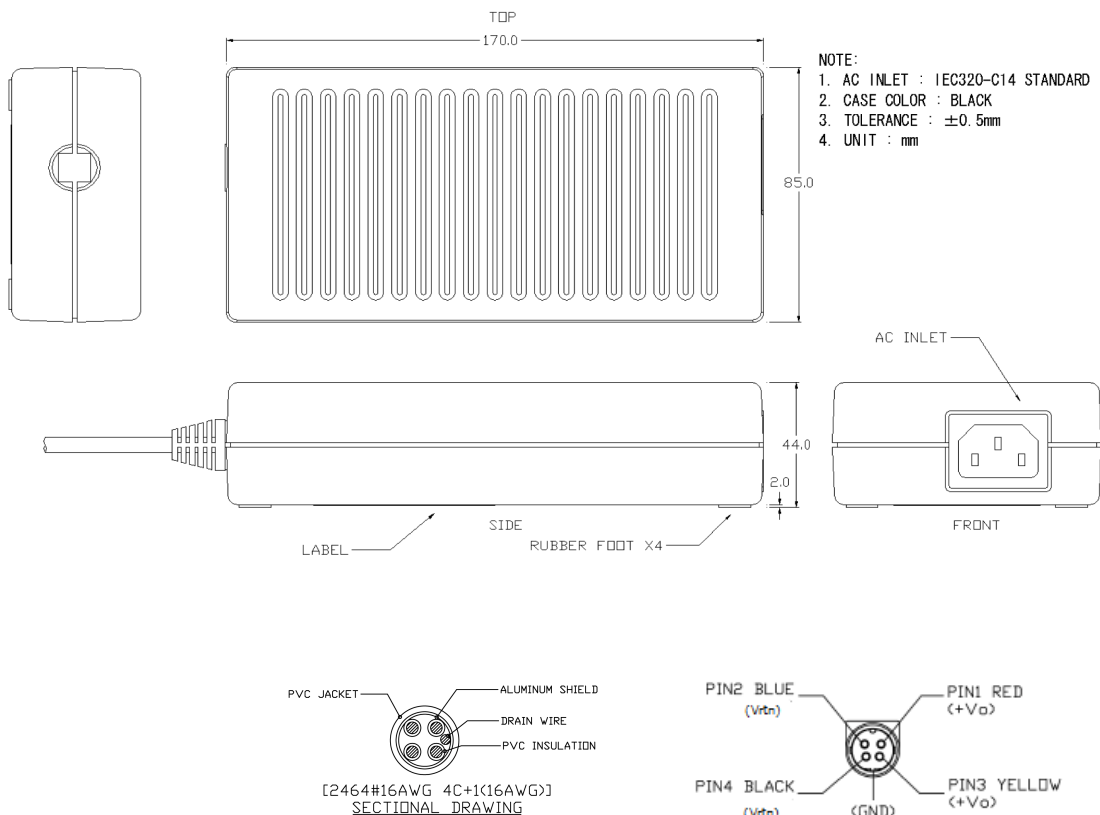
Dimensions	6.69"L x 3.35"W x 1.73"H
AC Input Receptacle	IEC320-C14
DC Output Plug	Kycon KPP-4P or equivalent (see drawing)
Weight	1.85 pounds



Models and Ratings Chart

Model	Voltage	Current	Total Power	Regulation	Ripple & Noise (p-p)
PPWAD150-12	12VDC	11.67A	140W	+5% / -2%	240mV
PPWAD150-13-1	16VDC	9.38A	150W	+5% / -2%	320mV
PPWAD150-13-2	19VDC	7.90A	150W	+5% / -2%	380mV
PPWAD150-14	24VDC	6.25A	150W	+5% / -2%	480mV
PPWAD150-17	36VDC	4.17A	150W	+5% / -2%	480mV
PPWAD150-18	48VDC	3.13A	150W	+5% / -2%	480mV

Mechanical Outline / Output Cable and Pin Assignment



OUTPUT CABLES:

12-24VDC MODELS: AWM1571 #14AWG/1C+SHIELD, UL 80C, 30V VW-1, 1050MM LENGTH
 36-48VDC MODELS: AWM1185 #16AWG/1C+SHIELD, UL 80C, 30V VW-1, 1050MM LENGTH