

POWER-WIN TECHNOLOGY CORP.

www.power-win.com

AC/DC Switching Adapter - Single Output

AD-A8 Series 100 Watts

With Active PFC

FEATURES

- High Reliability
- 100% BURN-IN Tested
- 100% Hi-Pot Tested
- Safety Approvals, EMC compliance

ELECTRICAL SPECIFICATIONS

- Input range : 90-264VAC(Full Range)
- Frequency : 47 - 63Hz
- Input current (rms) : 2.5A @ 90VAC; 1.25A @ 264VAC MAX.
- Power factor : >0.9
- Efficiency : >85% @ full load, 115VAC
- Meet CEC and Energy Star level IV requirements.
- >85% @ AVG. load 115/230VAC for CEC Model.
- Green function = No load power consumption < 500 mW.
- Output Voltage : +12V to +52V
- Voltage regulation : +5% / -2%
- Maximum power (Po) : 100W
- Hold-up time : >20ms typical at full load @ 115VAC
- Protection :
 - ◆ Short Circuit Protection: Auto Recover.
 - ◆ Over Load Protection: Auto Recover.
 - ◆ Over voltage Protection: Latch, AC recycle.



Dimension : L 170 x W 85 x H 44 mm

AC Input : IEC 320-C14 Inlet

SAFETY STANDARDS

UL 60950-1
CSA C22.2-No.60950-1
TUV EN60950-1
CB IEC 60950-1

EMC STANDARDS

FCC Class B
CISPR22 Class B
EN 55022 Class B
CE

ENVIRONMENTAL

- Operating temperature : 0°C to +40°C
- Storage temperature : -10°C to +85°C
- Humidity: 20% ~ 90%.
- MTBF : >80,000 hours at full load and 25°C ambient temperature

DC OUTPUT & FEATURES

Other DC output 100W for 12-26V, 33-39V and 44-52V.

Model	Output Rating		Po	O/P Regulation	Ripple & Noise(Vp-p)	CEC (IV)	Energy Star
PW-100A-1Y120H	12V	8.34A	100W	+5% / -2%	240mV	●	LEVEL IV
PW-100A-1Y160H	16V	6.25A	100W	+5% / -2%	320mV	●	LEVEL IV
PW-100A-1Y190H	19V	5.27A	100W	+5% / -2%	380mV	●	LEVEL V
PW-100A-1Y240H	24V	4.17A	100W	+5% / -2%	480mV	●	LEVEL V
PW-100A-1Y360H	36V	2.78A	100W	+5% / -2%	480mV	●	LEVEL V
PW-100A-1Y480H	48V	2.09A	100W	+5% / -2%	480mV	●	LEVEL V

Note: 1. Peak-to-peak with 20MHz bandwidth with a tantalum 10uF in parallel with a 0.1uF ceramic capacitor.



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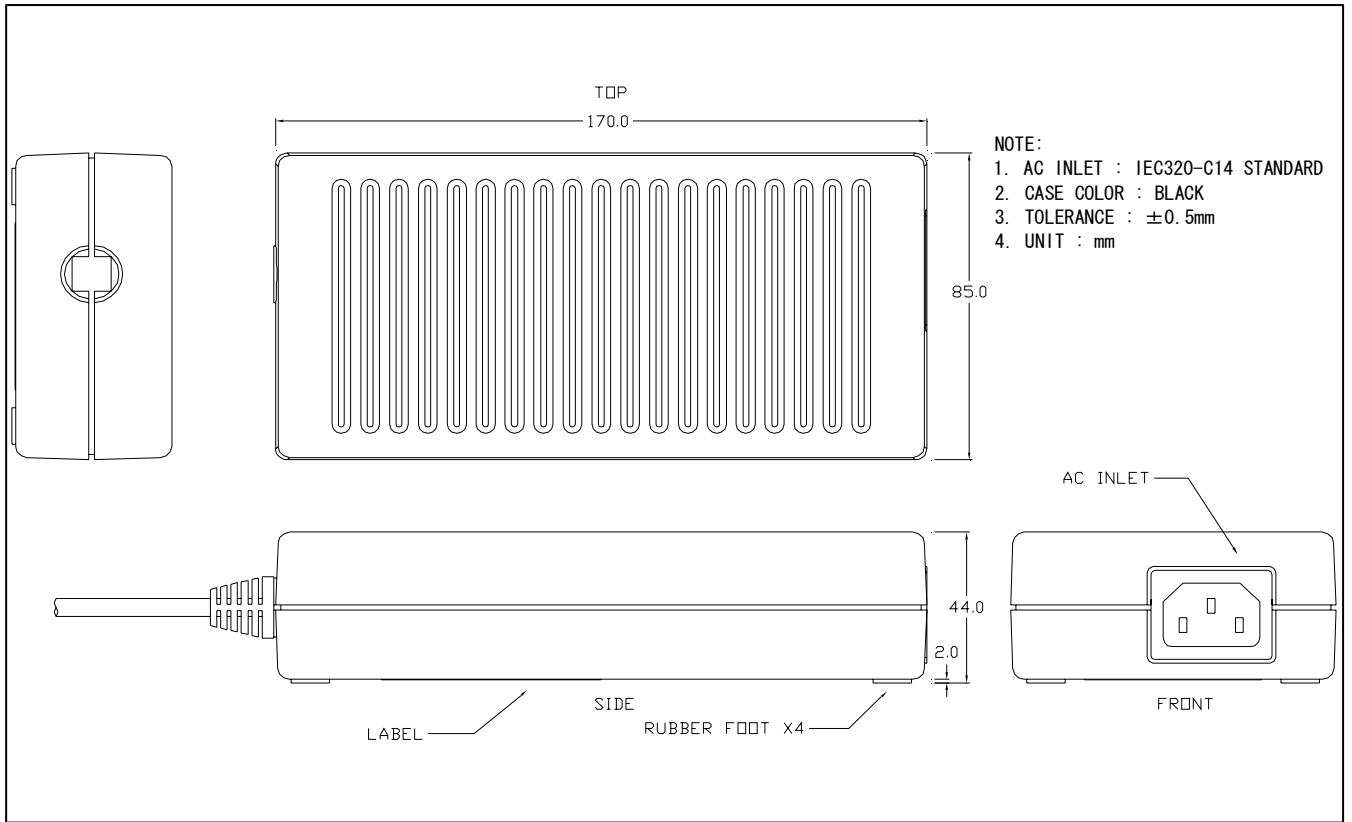
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http : //www.power-win.com

E-Mail : sales@power-win.com

REV.A

MECHANICAL SPECIFICATION



STANDARD OUTPUT CABLE

1. AWM 1571 # 14 AWG / 1C + SHIELDING, UL 80°C 30V VW-1, 1050 mm. (12-24V)
2. AWM 1185 # 16 AWG / 1C + SHIELDING, UL 80°C 300V VW-1, 1050 mm. (36-48V)
3. Depends on customers requirements.



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