

# POWER-WIN TECHNOLOGY CORP.

www.power-win.com

## AC/DC Switching Adapter - Single Output

### AD-A1 V2 Series 80 Watts

With Active PFC

#### FEATURES

- High Reliability
- 100% BURN-IN Tested
- 100% Hi-Pot tested

#### ELECTRICAL SPECIFICATIONS

- Input range : 90 - 264VAC (Full Range)
- Frequency : 47 - 63Hz
- Input current (rms) : 2A @ 90VAC; 1A @ 264VAC MAX.
- Power factor : > 0.9 @ full load, 115VAC
- Meet CEC and Energy Star Level IV requirements
- Efficiency : > 80% @ full load, 115VAC
- > 85% @ AVG. load 115/230 VAC for CEC Model
- Green functions = No load power consumption < 500mW
- Output voltage : +9V to +48V.
- Maximum power (Po) : 80W
- Ripple & Noise : 1%
- Hold-up time : > 10ms typical at full load @ 115VAC
- Protection :
  - ◆ Short Circuit Protection: Auto Recover.
  - ◆ Over Load Protection: Auto Recover.
  - ◆ Over Voltage Protection: Latch, AC Recycle.



Dimension : L 132 x W 69 x H 40 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 +70°C
- Humidity: 20% ~ 90%.
- MTBF : > 80,000 hours at full load and 25°C ambient temperature

#### DC OUTPUT & FEATURES

Model	Output Rating		Po	O/P Regulation	Ripple & Noise(Vp-p)	CEC (IV)	Energy Star
PW-072A2-1Y09AP	9V	8A	72W	5%	90mV		
PW-080A2-1Y12AP	12V	6.67A	80W	5%	120mV	●	LEVEL V
PW-080A2-1Y15AP	15V	5.33A	80W	5%	150mV	●	LEVEL V
PW-080A2-1Y18AP	18V	4.45A	80W	5%	180mV	●	LEVEL V
PW-080A2-1Y24AP	24V	3.34A	80W	5%	240mV	●	LEVEL V
* PW-080A2-1Y36AP	36V	2.22A	80W	5%	360mV	●	LEVEL V
* PW-080A2-1Y48AP	48V	1.67A	80W	5%	480mV	●	LEVEL V

- Note:**
1. Peak-to-peak with 20MHz bandwidth with a tantalum 10uF in parallel with a 0.1uF ceramic capacitor.
  2. "\*" means Safety Pending for PW-080A2-1Y36AP & PW-080A2-1Y48AP.



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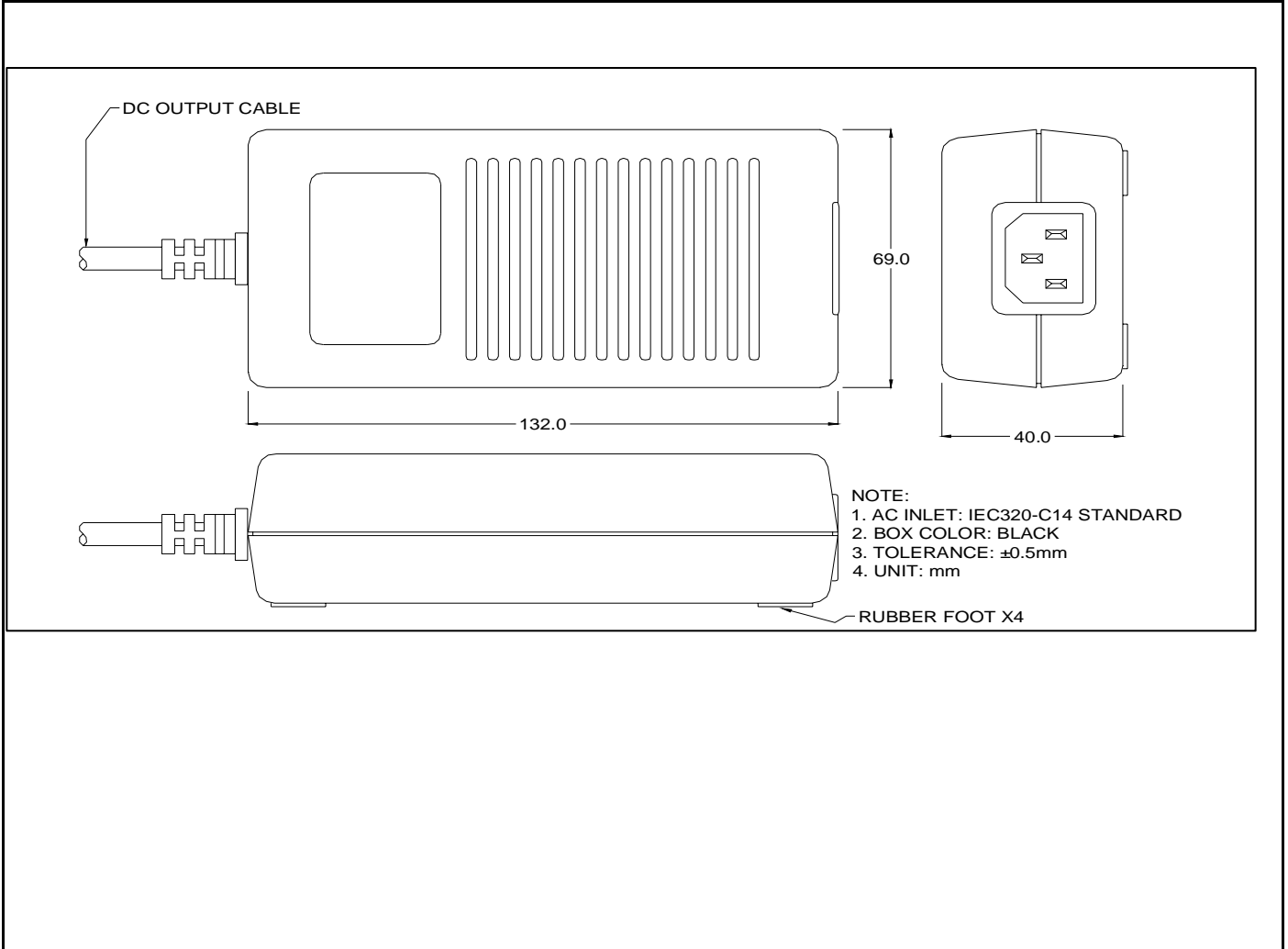
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E-Mail : sales@power-win.com

REV.G

**MECHANICAL SPECIFICATION**



**STANDARD OUTPUT CABLE**

1. AWM 1185 # 18 AWG / 1C + SHIELDING, UL 80°C 300V VW-1, 1050 mm.
2. AWM 2464 # 18 / 20 AWG / 4C + SHIELDING, UL 80°C 300V VW-1, 1050 mm.
3. Depends on customers requirements.



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