

POWER-WIN TECHNOLOGY CORP.

www.power-win.com

AC/DC Switching Adapter - Single Output

AD-A7 Series 120 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) : 2A @ 90VAC; 1A @ 264VAC MAX.
- Power factor : > 0.9 @full load, 115VAC.
- Efficiency : > 85% @ full load, 115VAC
- Meet CEC and Energy Star Level V requirements.
- > 85% @ AVG. load 115/230VAC for CEC Model.
- Green function = No load power consumption < 500 mW.
- Output voltage : +12V to +48V.
- Voltage regulation : $\pm 5\%$
- Maximum power (Po) : 120W
- 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 170 x W 64.8 x H 38.5 mm

AC Input : IEC 320-C14 or C6 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-100A-1Y12GPX	12V	8.33A	100W	5%	120mV	●	LEVEL V
PW-120A-1Y19GPX	19V	6.3A	120W	5%	190mV	●	LEVEL V
PW-120A-1Y24GPX	24V	5A	120W	5%	240mV	●	LEVEL V
* PW-120A-1Y36GPX	36V	3.33A	120W	5%	360mV	●	LEVEL V
* PW-120A-1Y48GPX	48V	2.5A	120W	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. X = B, AC inlet: IEC 320-C14.
 3. X = S, AC inlet: IEC 320-C6.
 4. "*" means Safety Pending for PW-120A-1Y36GPX & PW-120A-1Y48GPX.



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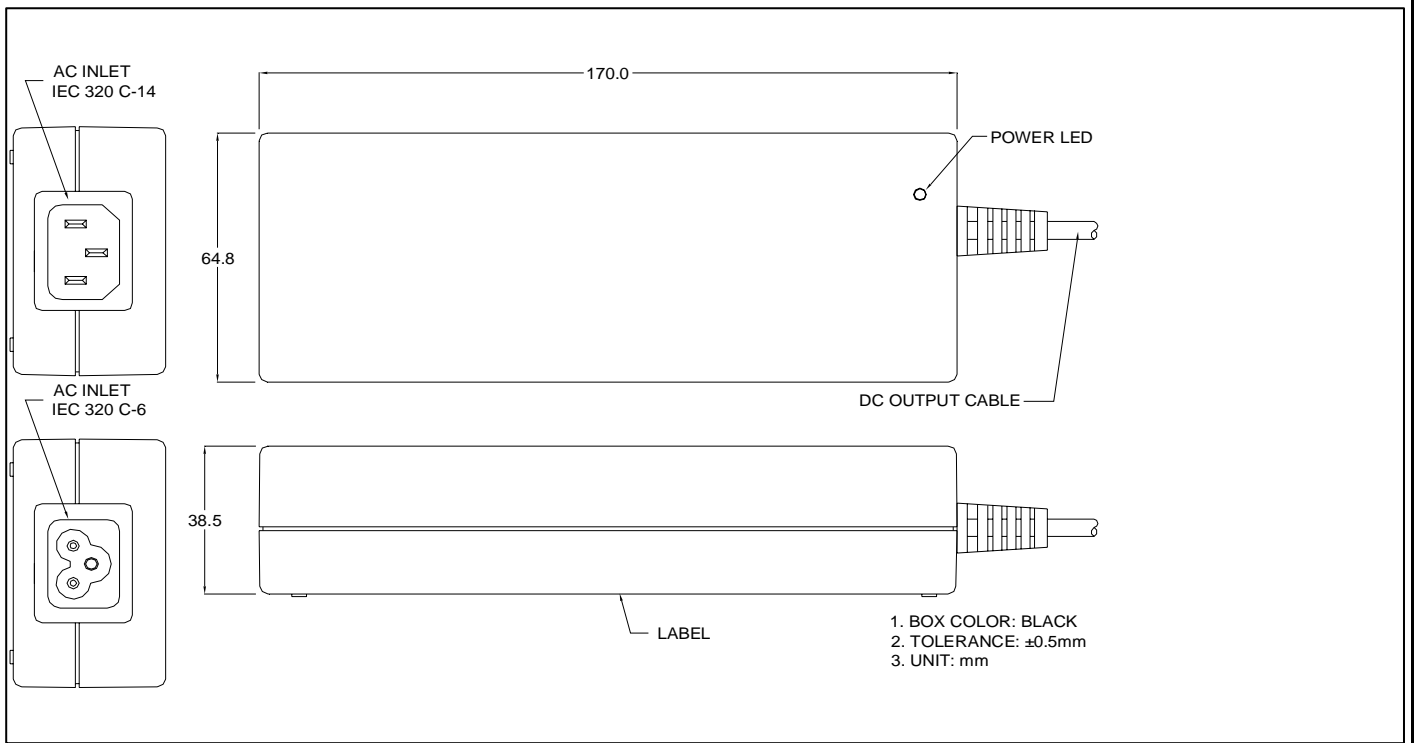
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http : //www.power-win.com

E-Mail : sales@power-win.com

REV.G

MECHANICAL SPECIFICATION



STANDARD OUTPUT CABLE

1. AWM 2464 # 16 AWG / 4C + SHIELDING, UL 80°C 300V VW-1, 1,050 mm.
2. AWM 1571 # 14AWG / 1C + SHIELDING, UL 80°C 300V VW-1, 1,000mm
3. Depends on customers requirements.



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