

AD-A7 V2 120Watts Series
DOE level VI and EU tier 2 Efficiency Compliant

AC/DC Switching Adapter - Single Output

FEATURES

- 3-pole IEC320-C14 AC inlet, Class I
- Output voltage range from +12V to +48V
- Meet DOE level VI and EU tier 2 Efficiency requirements
- No load Power consumption < 150mW
- Power ON LED indicator
- 3 year warranty

ELECTRICAL SPECIFICATIONS

- Input range : 90 - 264VAC
- Frequency : 47 - 63Hz
- Power Factor : > 0.95 @115VAC; > 0.90 @230VAC @full load
- Inrush current : <75A peak@115VAC; <150A peak@230VAC cold start@25°C
- Input current (rms) : 3A @90VAC; 1.5A @264VAC max.
- Efficiency : > 89% @average load, 115/230VAC
- Maximum output power (Po) : 120Watts
- Hold-up time : > 20ms typical @full load, 115VAC
- Short Circuit Protection: Auto-recovery
- Over Load Protection: Auto-recovery
- Over Voltage Protection: Shutdown and latch off, AC recycle



RoHS Compliant

Dimension : L170 ×W64.8 ×H38.5mm (6.69"×2.55"×1.52")
Weight : 0.61 kgs. (1.34 lbs.)

SAFETY STANDARDS

UL 60950-1
UL 62368-1
CSA C22.2-No.60950-1
CSA C22.2-No.62368-1
TUV EN60950-1
TUV EN62368-1
CB IEC 60950-1
CB IEC 62368-1

EMC STANDARDS

FCC Class B
CISPR22 Class B
EN 55032 Class B
CE

ENVIRONMENTAL

- Operating temperature : -20 to +70°C (Derate linearly 2.0% per °C from 41 to 70°C & Derate linearly 1.0% per °C from 0 to -20°C)
- Storage temperature : -20°C to +85°C
- Humidity: 10% ~ 90%.
- MTBF : > 500,000 hours at full load and 25°C ambient temperature (Bellcore TR-332)

DC OUTPUT & FEATURES

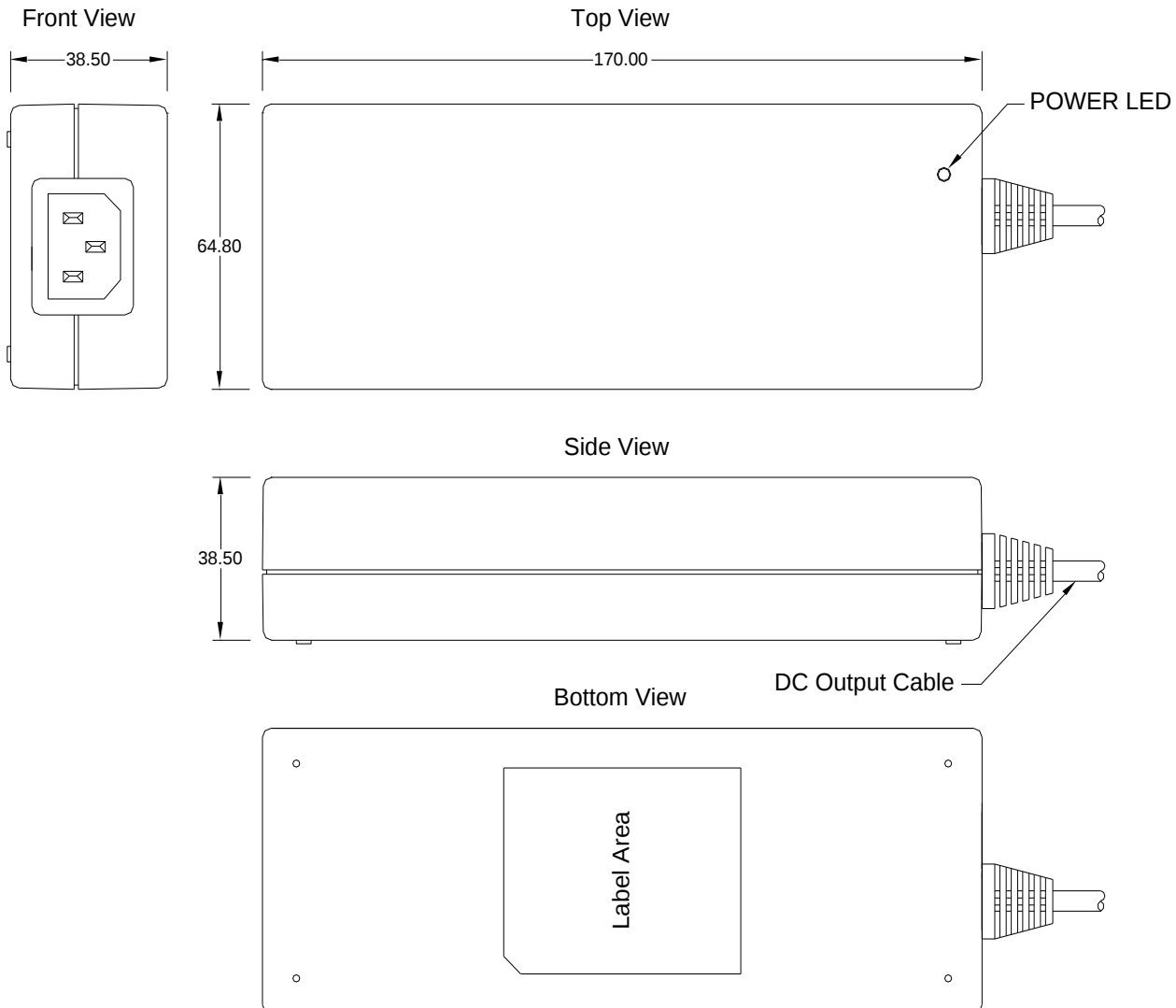
Model	Output Rating		Po	O/P Regulation	Ripple & Noise(Vp-p)	Efficiency Level
PW-120A2-1Y120G	12V	10A	120W	±5%	240mV	VI
PW-120A2-1Y150G	15V	8.00A	120W	±5%	240mV	VI
PW-120A2-1Y190G	19V	6.32A	120W	±5%	240mV	VI
PW-120A2-1Y240G	24V	5.00A	120W	±5%	240mV	VI
PW-120A2-1Y280G	28V	4.29A	120W	±5%	240mV	VI
PW-120A2-1Y480G	48V	2.50A	120W	±5%	240mV	VI

Note: 1. Ripple and noise are measured at oscilloscope 20MHz bandwidth by a 10uF electrolytic capacitor and a 0.1uF ceramic capacitor in parallel at output connector.

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MECHANICAL SPECIFICATION



Note:

1. AC Inlet : IEC320-C14
2. Plastic Case Color : Black
3. Tolerance : $\pm 0.5\text{mm}$
4. Unit : mm

STANDARD OUTPUT CABLE

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