

AD-A1 V4 80Watts 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 +9V 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) : 2A @90VAC; 1A @264VAC max.
- Efficiency : > 89% @average load, 115/230VAC (9V > 88%)
- Maximum output power (Po) : 80Watts
- 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 : L132 × W69 × H40 mm (5.2" × 2.72" × 1.57")

Weight : 0.44 kgs. (0.97 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 : 0 to +60°C (Derate linearly 2.5% per °C from 41 to 60°C)
- Storage temperature : -10°C to +85°C
- Humidity: 10% ~ 90%.
- MTBF : > 120,000 hours at full load and 25°C ambient temperature

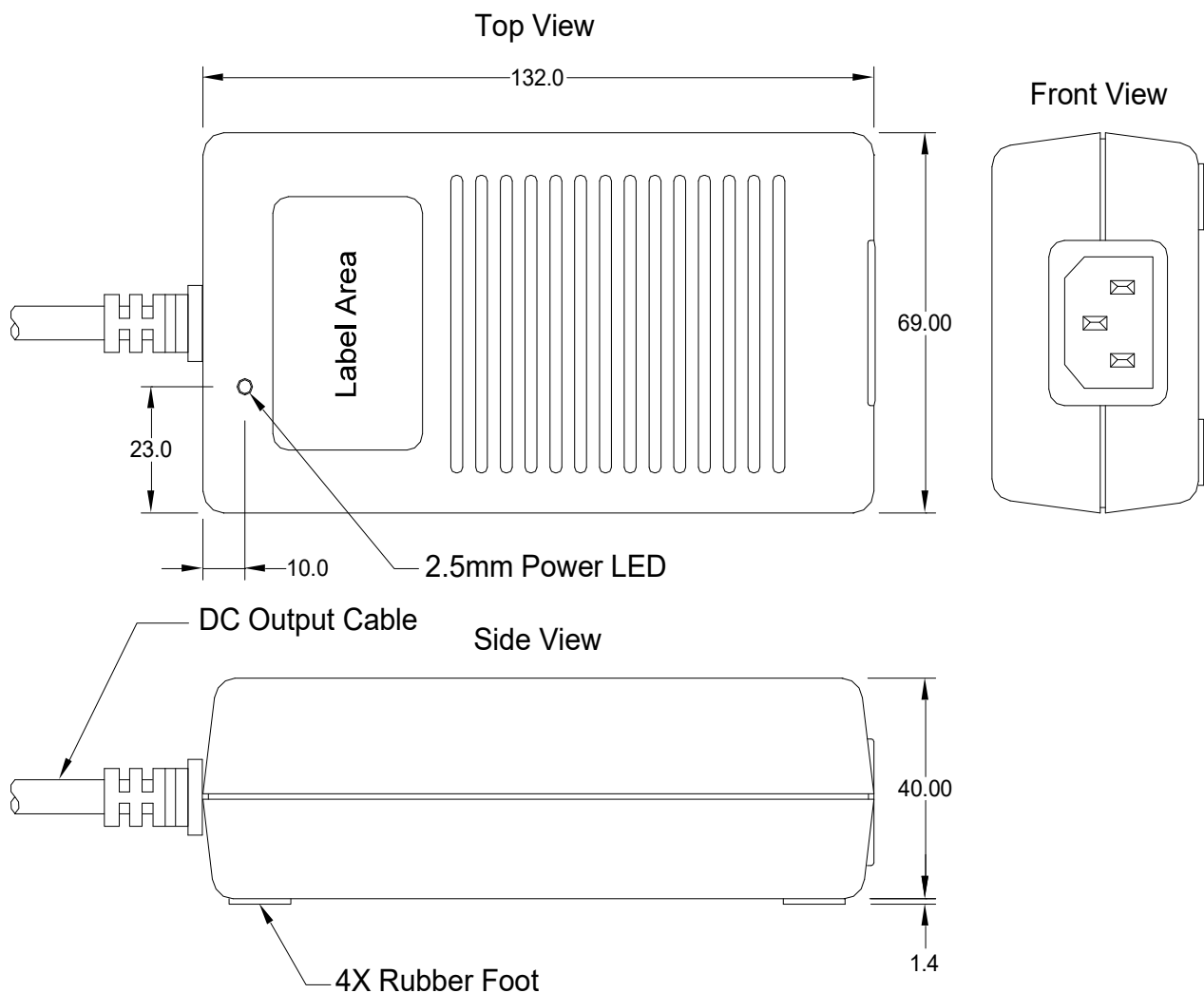
DC OUTPUT & FEATURES

Model	Output Rating		Po	O/P Regulation	Ripple & Noise(Vp-p)	DOE Efficiency	EU ErP
PW-072A4-1Y090A	9V	8A	72W	±5%	240mV	VI	Tier 1
PW-080A4-1Y120A	12V	6.67A	80W	±5%	240mV	VI	Tier 2
PW-080A4-1Y150A	15V	5.34A	80W	±5%	240mV	VI	Tier 2
PW-080A4-1Y180A	18V	4.45A	80W	±5%	240mV	VI	Tier 2
PW-080A4-1Y240A	24V	3.34A	80W	±5%	240mV	VI	Tier 2
PW-080A4-1Y280A	28V	2.86A	80W	±5%	240mV	VI	Tier 2
PW-080A4-1Y480A	48V	1.67A	80W	±5%	240mV	VI	Tier 2

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.