

**AD-A1 V3 40/65Watts Series**  
**DOE level VI and EU ErP Tier 2 Efficiency**

**AC/DC Switching Adapter - Single Output**

**FEATURES**

- 3-pole IEC320-C14 AC inlet, Class I
- Output voltage range from +5V to +52V
- Meet Efficiency Level VI & Erp Tier 2 requirements
- No load Power consumption < 150mW
- Power ON LED indicator
- 3 year warranty



**ELECTRICAL SPECIFICATIONS**

- Input range : 90 - 264VAC
- Frequency : 47 - 63Hz
- Inrush current : < 50A peak @115VAC; < 100A peak @230VAC cold start @25°C
- Input current (rms) : 2A @90VAC; 1A @264VAC max.
- Efficiency : > 89% @average load, 115/230VAC
- Maximum output power (Po) : 65Watts
- Hold-up time : > 10ms 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 : 0.39 kgs. ( 0.856 lbs )

**SAFETY STANDARDS**

UL 60950-1  
UL 62368-1  
CSA C22.2-No.60950-1  
CSA C22.2-No.62368-1  
Nemko 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 51 to 60°C)
- Storage temperature : -10°C to +85°C
- Humidity: 10% ~ 90%.
- MTBF : > 140,000 hours at full load and 25°C ambient temperature

**DC OUTPUT & FEATURES**

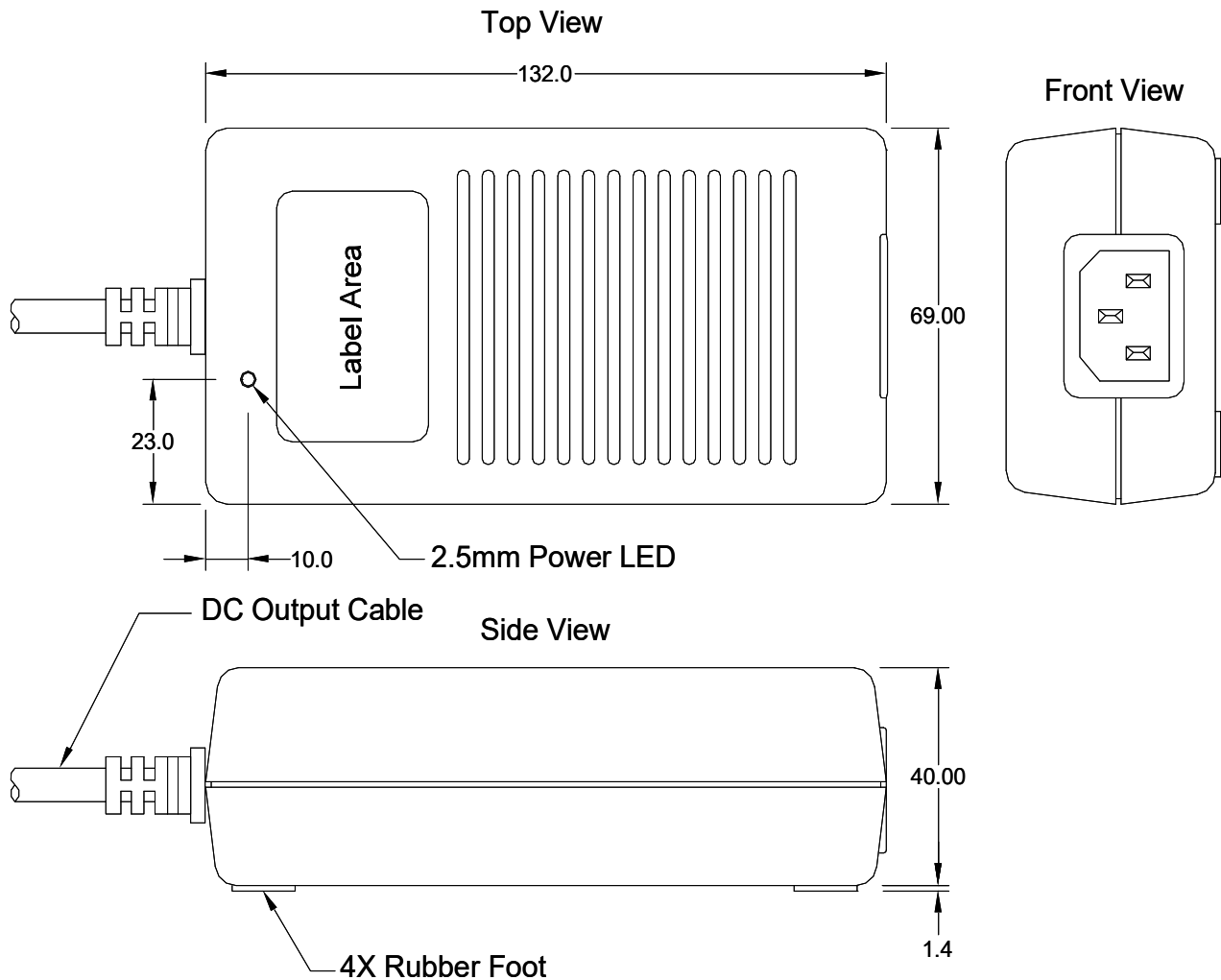
※ Other DC output 40W for 5-6V and 8-10V, 65W for 12-13V, 13.5-16V, 18-20V, 22-28V, 32-36V and 44-52V

| Model           | Output Rating |       | Po  | O/P Regulation | Ripple & Noise(Vp-p) | DOE Efficiency | EU ErP | LPS |
|-----------------|---------------|-------|-----|----------------|----------------------|----------------|--------|-----|
| PW-040A3-1Y050A | 5V            | 8A    | 40W | ±5%            | 50mV                 | VI             | Tier 1 |     |
| PW-040A3-1Y080A | 8V            | 5A    | 40W | ±5%            | 80mV                 | VI             | Ter 1  | ●   |
| PW-065A3-1Y120A | 12V           | 5.41A | 65W | ±5%            | 120mV                | VI             | Tier 2 | ●   |
| PW-065A3-1Y150A | 15V           | 4.33A | 65W | ±5%            | 150mV                | VI             | Ter 2  | ●   |
| PW-065A3-1Y190A | 19V           | 3.43A | 65W | ±5%            | 190mV                | VI             | Tier 2 | ●   |
| PW-065A3-1Y240A | 24V           | 2.71A | 65W | ±5%            | 240mV                | VI             | Ter 2  | ●   |
| PW-065A3-1Y360A | 36V           | 1.81A | 65W | ±5%            | 240mV                | VI             | Tier 2 | ●   |
| PW-065A3-1Y480A | 48V           | 1.36A | 65W | ±5%            | 240mV                | VI             | Ter 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.

**AC/DC Switching Adapter - Single Output**

**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 1185 # 14 / 16 / 18 AWG / 1C + SHIELDING, UL 80°C 300V VW-1, 1050 mm.
2. AWM 2464 # 16 / 18 / 20 AWG / 4C + SHIELDING, UL 80°C 300V VW-1, 1050 mm.
3. Depends on customers requirements.