

## AC/DC Switching Adapter - Single Output

## AD-A1 V3 AC/DC Power Adapter 40/65Watts Series

### FEATURES

- 3-pole IEC320-C14 AC inlet, Class I
- Output voltage range from +5V to +52V
- Meet Efficiency Level VI & CoC V5 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 x W69 x H40 mm ( 5.2" x 2.72" x 1.57"  
Weight : 0.39 kgs. ( 0.856 lbs )

### SAFETY STANDARDS

UL 60950-1  
CSA C22.2-No.60950-1  
Nemko EN60950-1  
CB IEC 60950-1

### EMC STANDARDS

FCC Class B  
CISPR22 Class B  
EN 55022 Class B  
CE

### ENVIRONMENTAL

- Operating temperature : 0 to +70°C (Derate linearly 2.5% per °C from 51 to 70°C)
- Storage temperature : -10°C to +85°C
- Humidity: 10% ~ 90%.
- MTBF : > 140,000 hours at full load and 25°C ambient temperature

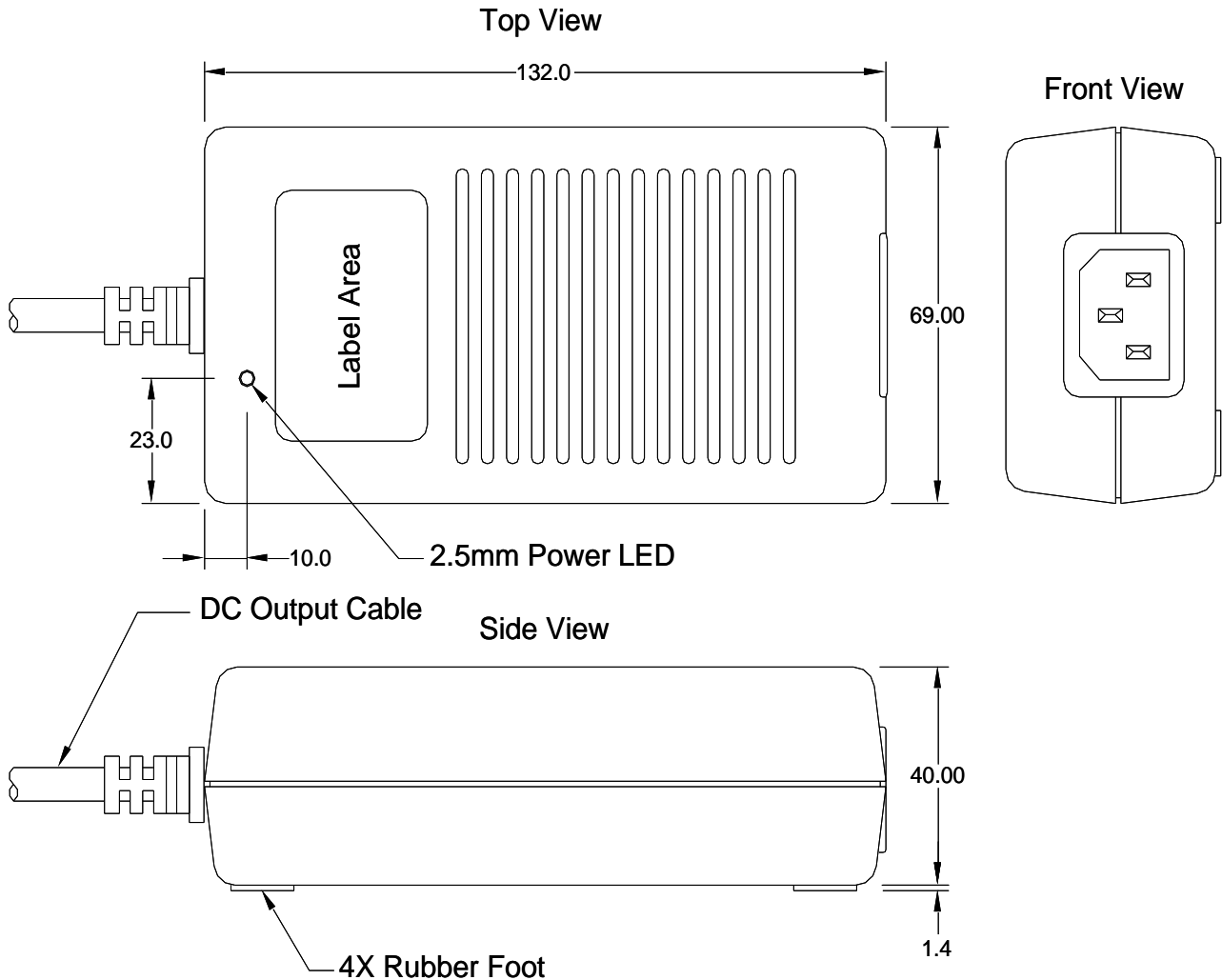
### DC OUTPUT & FEATURES

✂ 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)	Efficiency Level
PW-040A3-1Y050A	5V	8A	40W	±5%	50mV	V
PW-040A3-1Y080A	8V	5A	40W	±5%	80mV	V
PW-065A3-1Y120A	12V	5.41A	65W	±5%	120mV	VI
PW-065A3-1Y150A	15V	4.33A	65W	±5%	150mV	VI
PW-065A3-1Y190A	19V	3.43A	65W	±5%	190mV	VI
PW-065A3-1Y240A	24V	2.71A	65W	±5%	240mV	VI
PW-065A3-1Y360A	36V	1.81A	65W	±5%	240mV	VI
PW-065A3-1Y480A	48V	1.36A	65W	±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.

## 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.