

Medical AC/DC Power Adapter 90/100/110Watts Series

AC/DC Switching Adapter - Single Output

FEATURES

- Medical 60601-1 3rd Edition approved
- 3-pole IEC320 C14 Class I
- Power ON LED indicator
- Fully meet CEC, ERP, EISA, and Energy Star level V requirements.
- Earth leakage current : < 266uA @ 264VAC
- No load Power consumption < 500mW
- 2 year warranty

ELECTRICAL SPECIFICATIONS

- Input range : 90 - 264VAC
- Frequency : 47 - 63Hz
- Power Factor : > 0.95 @115VAC; > 0.90 @230VAC @full load
- Inrush current : < 50A peak @115VAC; < 100A peak @230VAC cold start @25°C
- Input current (rms) : 2A @90VAC; 1A @264VAC max.
- Efficiency : > 87% @average load
- Maximum output power (Po) : 90Watts / 100Watts / 110Watts
- 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 : L170 × W64.8 × H38.5 mm (6.69" × 2.55" × 1.52")
Weight : 0.61 kgs. (1.34 lbs.)

SAFETY STANDARDS

UL60601-1 3rd Edition
CSA-C22.2 No.60601-1 3rd Edition
EN60601-1 3rd Edition
IEC EN60601-1 3rd Edition

EMC STANDARDS

EN60601-1-2
FCC Part 18 Class B
EN55011 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 +70°C
- Humidity: 10% ~ 95%.
- MTBF : > 100,000 hours at full load and 25°C ambient temperature

DC OUTPUT & FEATURES

Model	Output Rating		Po	O/P Regulation	Ripple & Noise(Vp-p)	Efficiency Level
PW-M090A-1Y120G	12V	7.5A	90W	±5%	120mV	V
PW-M090A-1Y135G	13.5V	6.67A	90W	±5%	135mV	V
PW-M100A-1Y150G	15V	6.67A	100W	±5%	150mV	V
PW-M110A-1Y190G	19V	5.8A	110W	±3%	190mV	V
PW-M110A-1Y200G	20V	5.5A	110W	±3%	200mV	V
PW-M110A-1Y240G	24V	4.6A	110W	±3%	240mV	V

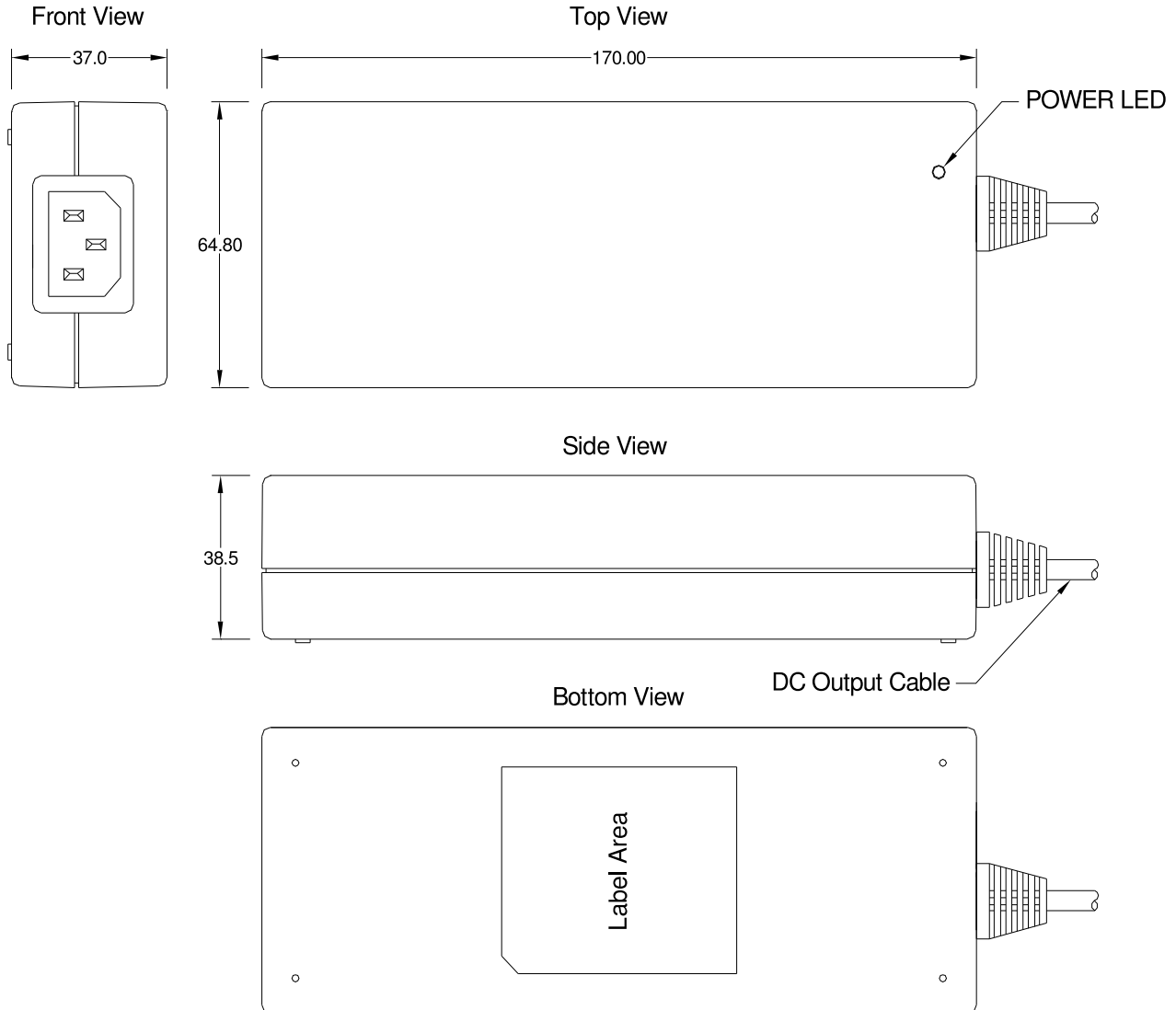
Note: 1. Ripple and noise are measured at oscilloscope 20MHz bandwidth by a 10uF electrolytic capacitor and a 0.1uF ceramic capacitor in parallel at output connector.



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MECHANICAL SPECIFICATION



- Note:
1. AC Inlet : IEC320-C14 or IEC320-C6
 2. Plastic Case Color : Black
 3. Tolerance : $\pm 1.0\text{mm}$
 4. Unit : mm

STANDARD OUTPUT CABLE

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

