

FEATURES

- Medical 60601-1 3.1rd Edition approved
- Output voltage range from +12V to +48V
- Fully meet CEC, ERP, EISA Efficiency level V requirements
- 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 : < 65A peak @115VAC; < 130A peak @230VAC cold start @25°C
- Input current (rms) : 2.5A @90VAC; 1.0A @264VAC max.
- Efficiency : > 87% @average load, 115/230VAC
- Maximum output power (Po) : 165Watts
- 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

ENVIRONMENTAL

- Operating temperature : 0 to +60°C (Derate linearly 2.5% per °C from 41 to 60°C)
- Storage temperature : -10°C to +80°C
- Humidity: 0% ~ 90%.
- MTBF : > 100,000 hours at full load and 25°C ambient temperature



RoHS Compliant

Dimension : L170 x W85 x H44 mm (6.69" x 3.35" x 1.73")
Weight : 0.79 kgs (1.73 lbs.)

SAFETY STANDARDS

UL60601-1 3.1rd Edition
CSA-C22.2 No.60601-1 3.1rd Ed.
EN60601-1 3.1rd Edition
IEC EN60601-1 3.1rd Edition

EMC STANDARDS

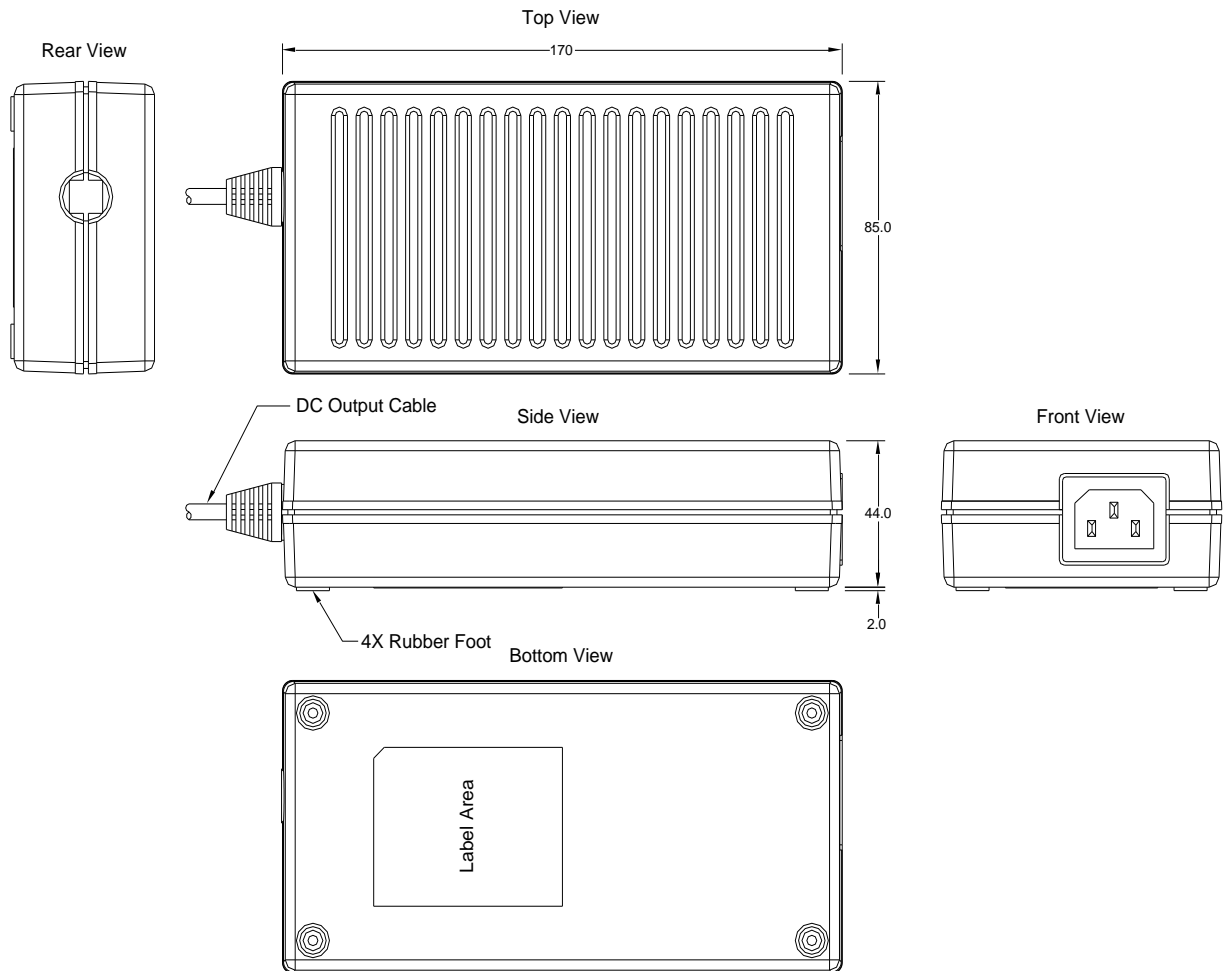
EN60601-1-2 Ed4:2015
IEC60601-1-2 Ed4:2014
FCC Part 18 Class B
EN55011 Class B
CE

DC OUTPUT & FEATURES

| Model | Output Rating | | Po | O/P Regulation | Ripple & Noise(Vp-p) | Efficiency Level |
|-----------------|---------------|--------|------|----------------|----------------------|------------------|
| PW-M160A-1Y120H | 12V | 13.33A | 160W | ±5% | 120mV | V |
| PW-M160A-1Y150H | 15V | 10.67A | 160W | ±5% | 150mV | V |
| PW-M160A-1Y190H | 19V | 8.42A | 160W | ±5% | 190mV | V |
| PW-M165A-1Y240H | 24V | 6.88A | 165W | ±3% | 240mV | V |
| PW-M165A-1Y280H | 28V | 5.89A | 165W | ±3% | 280mV | V |
| PW-M165A-1Y360H | 36V | 4.58A | 165W | ±3% | 360mV | V |
| PW-M165A-1Y480H | 48V | 3.44A | 165W | ±3% | 480mV | 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.

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 2464 # 16 AWG / 3C + SHIELDING, UL 80°C 300V VW-1, 1050 mm.
2. Depends on customers requirements.