

**FEATURES**

- Medical 60601-1 3<sup>rd</sup> Edition approved
- Meet DOE level VI and EU tier 1 Efficiency requirements
- 3-pole IEC320-C14 AC inlet
- Build-in 40x40x10mm DC fan with fan speed control
- Earth leakage current : < 228uA @264VAC
- No load Power consumption < 210mW
- 3 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) : 3.5A @90VAC; 1.75A @264VAC max.
- Efficiency : > 88% @average load, 115/230VAC
- Maximum output power (Po) : 250Watts
- Hold-up time : > 16ms 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 : L188.5 × W104.5 × H60 mm ( 7.42" × 4.1" × 2.36" )  
Weight : 1.05 kgs. ( 2.31 lbs. )

**SAFETY STANDARDS**

UL60601-1 3<sup>rd</sup> Edition  
CSA-C22.2 No.60601-1 3<sup>rd</sup> Edition  
EN60601-1 3<sup>rd</sup> Edition  
IEC EN60601-1 3<sup>rd</sup> Edition

**EMC STANDARDS**

EN60601-1-2  
FCC Part 18 Class B  
EN55011 Class B  
CE

**ENVIRONMENTAL**

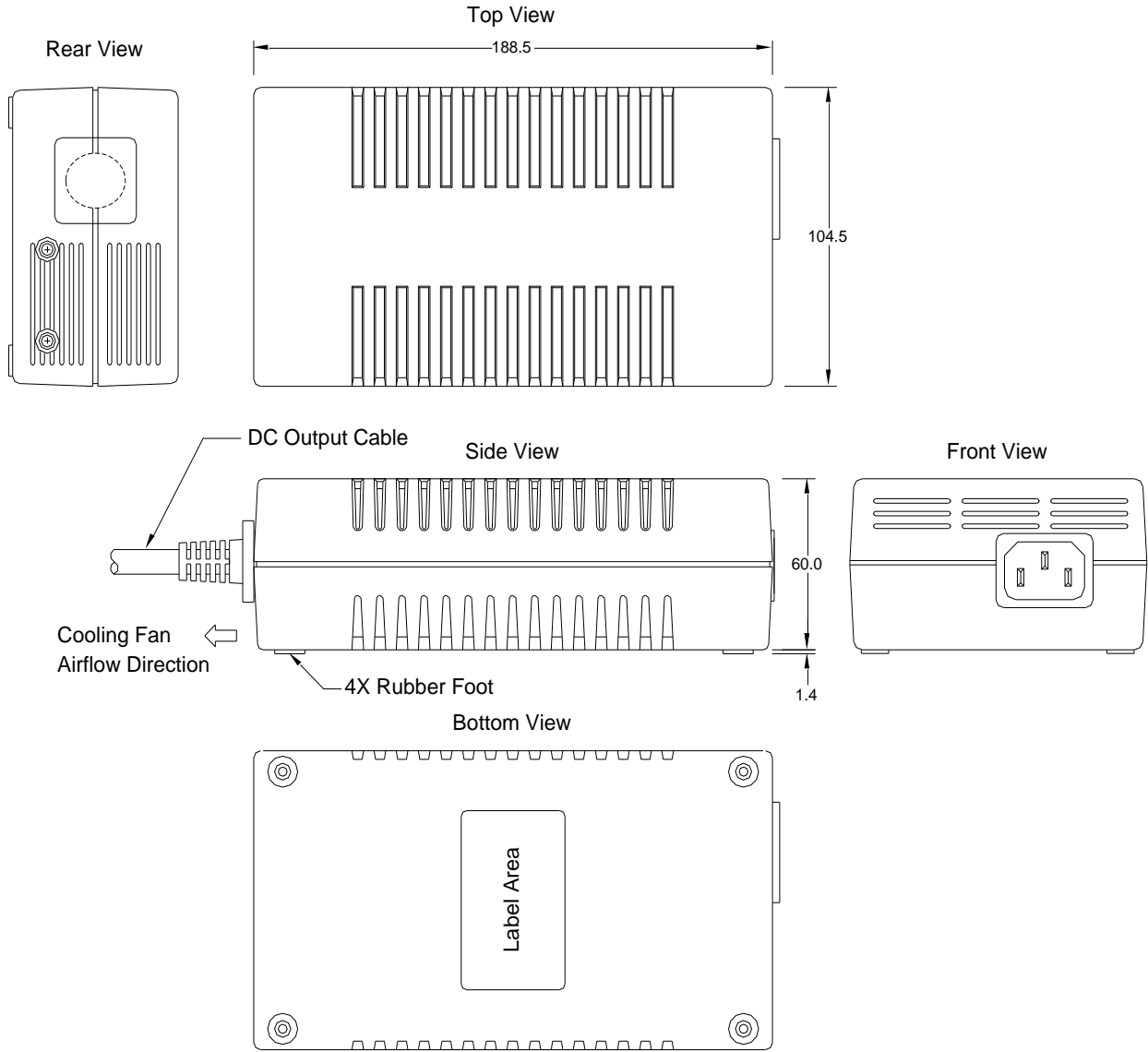
- Operating temperature : -20 to +60°C (Derate linearly 2.5% per °C from 41 to 60°C)  
(Derate linearly 1.0% per °C from -1 to -20°C)
- Storage temperature : -20°C to +85°C
- Humidity: 10% ~ 90%.
- MTBF : > 140,000 hours at full load and 25°C ambient temperature

**DC OUTPUT & FEATURES**

Model	Output Rating		Po	O/P Regulation	Ripple & Noise(Vp-p)	Efficiency Level
PW-M250A4-1Y120E	12V	20.83A	250W	±5%	240mV	VI
PW-M250A4-1Y160E	16V	15.63A	250W	±5%	300mV	VI
PW-M250A4-1Y190E	19V	13.16A	250W	±5%	300mV	VI
PW-M250A4-1Y200E	20V	12.5A	250W	±5%	300mV	VI
PW-M250A4-1Y240E	24V	10.42A	250W	±5%	300mV	VI
PW-M250A4-1Y360E	36V	6.94A	250W	±5%	300mV	VI
PW-M250A4-1Y480E	48V	5.21A	250W	±5%	300mV	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.
  2. -20 to -10°C output characteristics Output regulation are ±6% for 36V

**MECHANICAL SPECIFICATION**

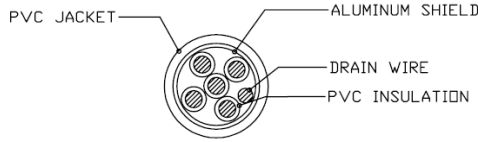


- Note:
- 1. AC Inlet : IEC320-C14
  - 2. Plastic Case Color : Black
  - 3. Tolerance :  $\pm 0.5\text{mm}$
  - 4. Unit : mm

**MECHANICAL SPECIFICATION**

**MATCHING CONNECTORS**

**DC output cable: 5C+1,UL2464, 16AWG, VW-1, 80°C,300V**

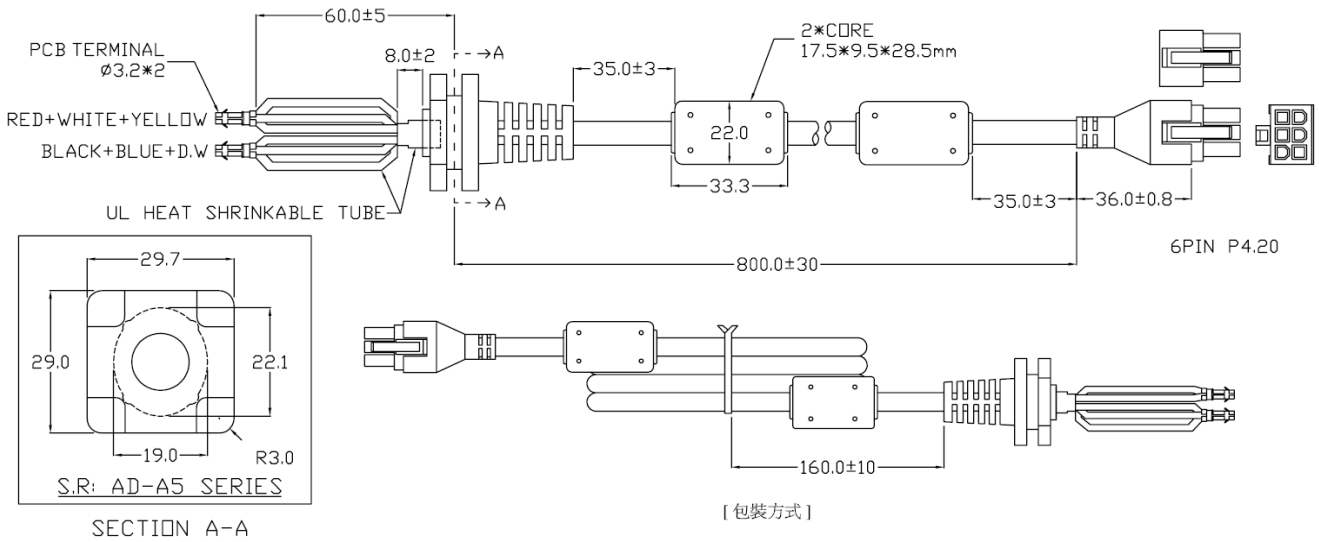


[2464#16AWG 5C+1(16AWG)]  
SECTIONAL DRAWING

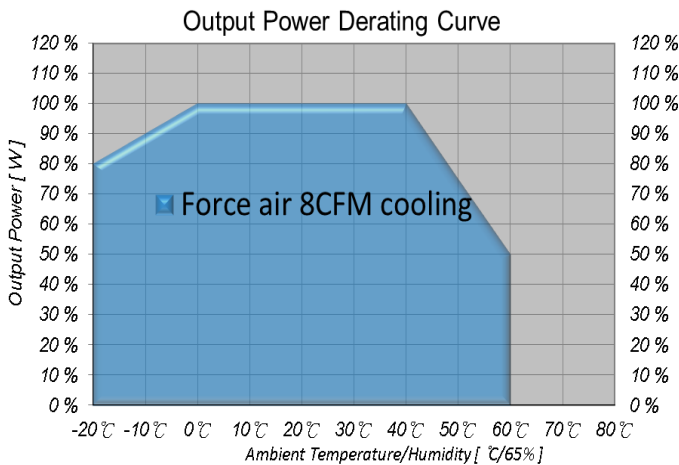
- 1.BLUE (GND)
- 2.BLACK (GND)
- 3.D.W (GND)
- 4.RED (+V)
- 5.WHITE (+V)
- 6.YELLOW (+V)



FRONT VIEW  
6P DIN



**Derating Curve**



**FEATURES**

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- Fully meet CEC, ERP, EISA Efficiency level V requirements
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- No load Power consumption < 500mW
- 3 year warranty



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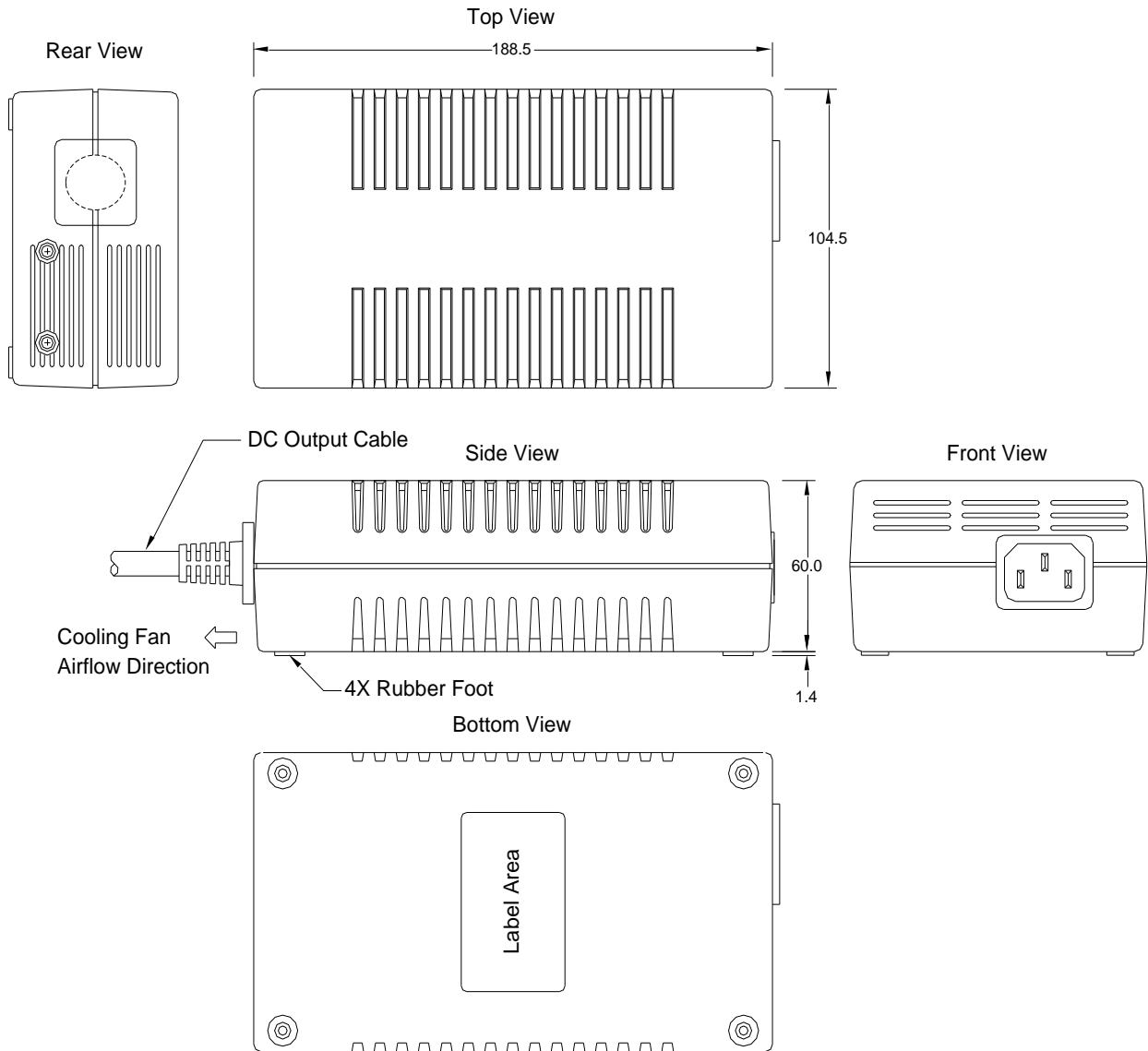
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**STANDARD OUTPUT CABLE**

1. AWM 2464 # 16AWG / 6C + SHIELDING, UL 80°C 300V VW-1, 1000 mm $\pm$ 30mm(MIN) for 16V~48V output; 800mm $\pm$ 30mm for 12V output.
2. Depends on customers requirements.