

# Energy Star Power Supply Medical AC Adapter Series 200 Watts

## AC/DC Switching Adapter - Single Output

### FEATURES

- High Reliability
- 100% BURN-IN Tested
- 100% Hi-Pot tested
- 40 mm cooling fan w/ fan speed control
- Safety Approvals, EMC compliance

### ELECTRICAL SPECIFICATIONS

- Input range : 90 - 264VAC (Full Range)
- Frequency : 47 - 63Hz
- Input current (rms) : 3A @ 90VAC; 1.5A @ 264VAC MAX.
- Power factor : >0.9 @ full load, 115VAC/230VAC
- Efficiency : >87% @ AVG. load 115/230 VAC
- Meet CEC and Energy Star level IV requirements.
- Green functions=No load power consumption <500mW
- Output Voltage : +12V to +48V
- Voltage regulation :  $\pm 5\%$
- Maximum power (Po) : 200W
- Hold-up time : >16ms typical at full load @ 115VAC
- Protection :
  - ◆ Short Circuit Protection: Auto Recover.
  - ◆ Over Load Protection: Auto Recover.
  - ◆ Over voltage Protection: Latch, AC recycle.

### ENVIRONMENTAL

- Operating temperature : 0°C to +50°C
- Storage temperature : -10°C to +85°C
- Humidity: 10% ~ 95%.
- MTBF : >140,000 hours at full load and 25°C ambient temperature

### With Active PFC



Dimension : L 188.5 × W 104.5 × H 60 mm  
( L 7.42" × W 4.1" × H 2.36" )

AC Input : IEC 320-C14 Inlet

### SAFETY STANDARDS

UL60601-1  
CSA C22.2-No. 60601-1  
TUV EN60601-1  
CB IEC60601-1

### EMC STANDARDS

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

### DC OUTPUT & FEATURES

Model	Output Rating		Po	O/P Regulation	Ripple & Noise(Vp-p)	CEC IV	Energy Star
VP-200A3-1Y120E	12V	16.66A	200W	$\pm 5\%$	240mV	●	V
VP-200A3-1Y160E	16V	12.50A	200W	$\pm 5\%$	300mV	●	V
VP-200A3-1Y190E	19V	10.53A	200W	$\pm 5\%$	300mV	●	V
VP-200A3-1Y200E	20V	10A	200W	$\pm 5\%$	300mV	●	V
VP-200A3-1Y240E	24V	8.33A	200W	$\pm 5\%$	300mV	●	V
VP-200A3-1Y360E	36V	5.555A	200W	$\pm 5\%$	300mV	●	V
VP-200A3-1Y480E	48V	4.166A	200W	$\pm 5\%$	300mV	●	V

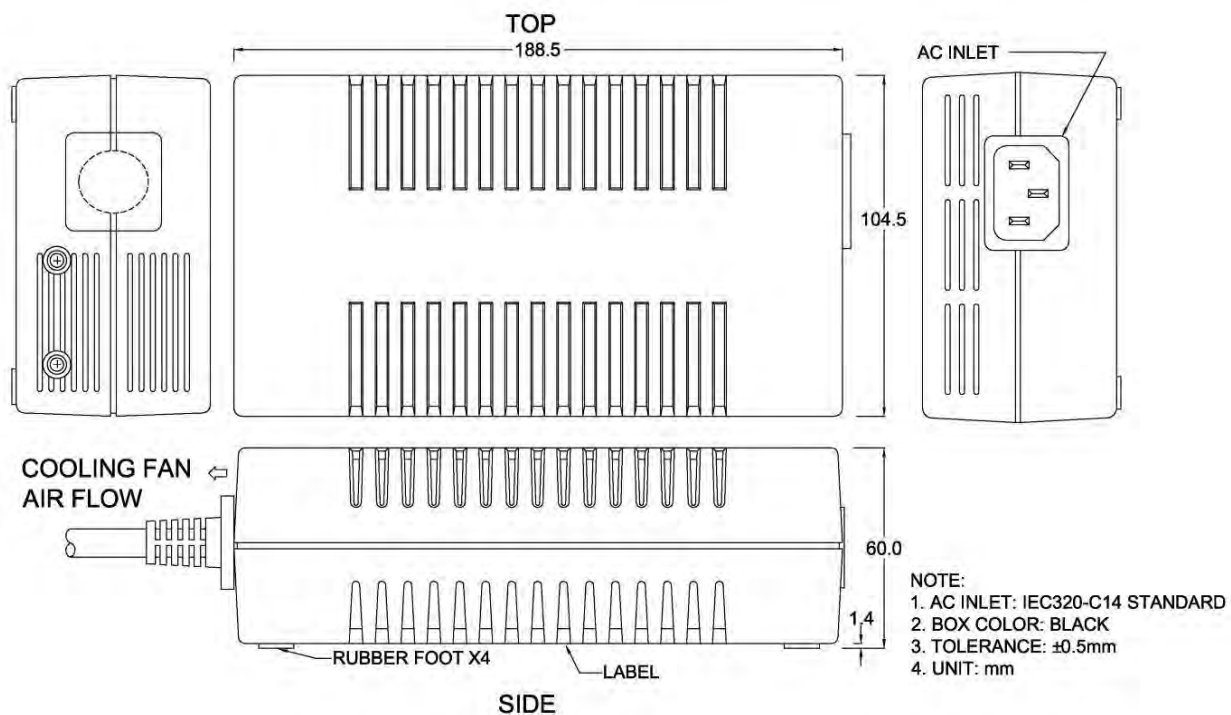
**Note:** 1. Peak-to-peak with 20MHz bandwidth with a tantalum 10uF in parallel with a 0.1uF ceramic capacitor.

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## MECHANICAL SPECIFICATION



## STANDARD OUTPUT CABLE

1. AWM 2464 # 16AWG / 4C + SHIELDING, UL 80°C 300V VW-1, 1000 mm $\pm$ 30mm(MIN)
2. Depends on customers requirements.