

**FEATURES**

- High Reliability
- Universal Input
- 100% Hi-Pot Tested
- 100% Burn-In Tested
- IEC-320-C14 AC Inlet
- Safety Approvals, EMC Compliance
- 40 mm Cooling Fan with Fan Speed Control
- Meets CEC and Energy Star Level IV Requirements
- Short Circuit, Over Load, and Over Voltage Protected

**SPECIFICATIONS: DTAM200 Series**

*All specifications are based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted.  
We reserve the right to change specifications based on technological advances.*

**INPUT SPECIFICATIONS**

Input Voltage Range	90 - 264VAC (Full Range)
Input Frequency	47 - 63Hz
Input Current (rms)	3A @ 90VAC max; 1.5A @ 264VAC max

**OUTPUT SPECIFICATIONS**

Output Current	See Table
Output Voltage	See Table
Output Power	200W max.
Voltage Regulation	±5%
Ripple & Noise (20MHz BW)	See Table
Hold Up Time	>16ms typical at full load and 115VAC

**PROTECTION**

Short Circuit Protection	Auto recover
Over Voltage Protection	Latch, AC Recycle
Over Load Protection	Auto recover

**GENERAL SPECIFICATIONS**

Efficiency	> 87% @ full load and 115VAC > 87% @ average load and 115/230VAC for CEC compliant models.
Power Factor	> 0.9 @ full load and 115 / 230VAC
No Load Power Consumption (green functions)	< 500mW

**ENVIRONMENTAL SPECIFICATIONS**

Operating Temperature	0°C to +40°C
Storage Temperature	-10°C to +85°C
Humidity	20% ~ 90%
Cooling	40 mm cooling fan with fan speed control
MTBF	>80,000 hours at full load and 25°C ambient temperature

**PHYSICAL SPECIFICATIONS**

Dimensions (L x W x H)	7.42 x 4.11 x 2.36 inches 188.5 x 104.5 x 60.0 mm
AC Input	IEC 320-C14 Inlet

**SAFETY & EMI**

Safety Standards	UL60601-1, CSA C 22.2-No. 60601-1, TUV EN60601-1, CB IEC60601-1
EMC Standards	EN60601-1-2, FCC Part 18 Class B, EN55011 Class B, CE

## OUTPUT VOLTAGE / CURRENT RATING CHART

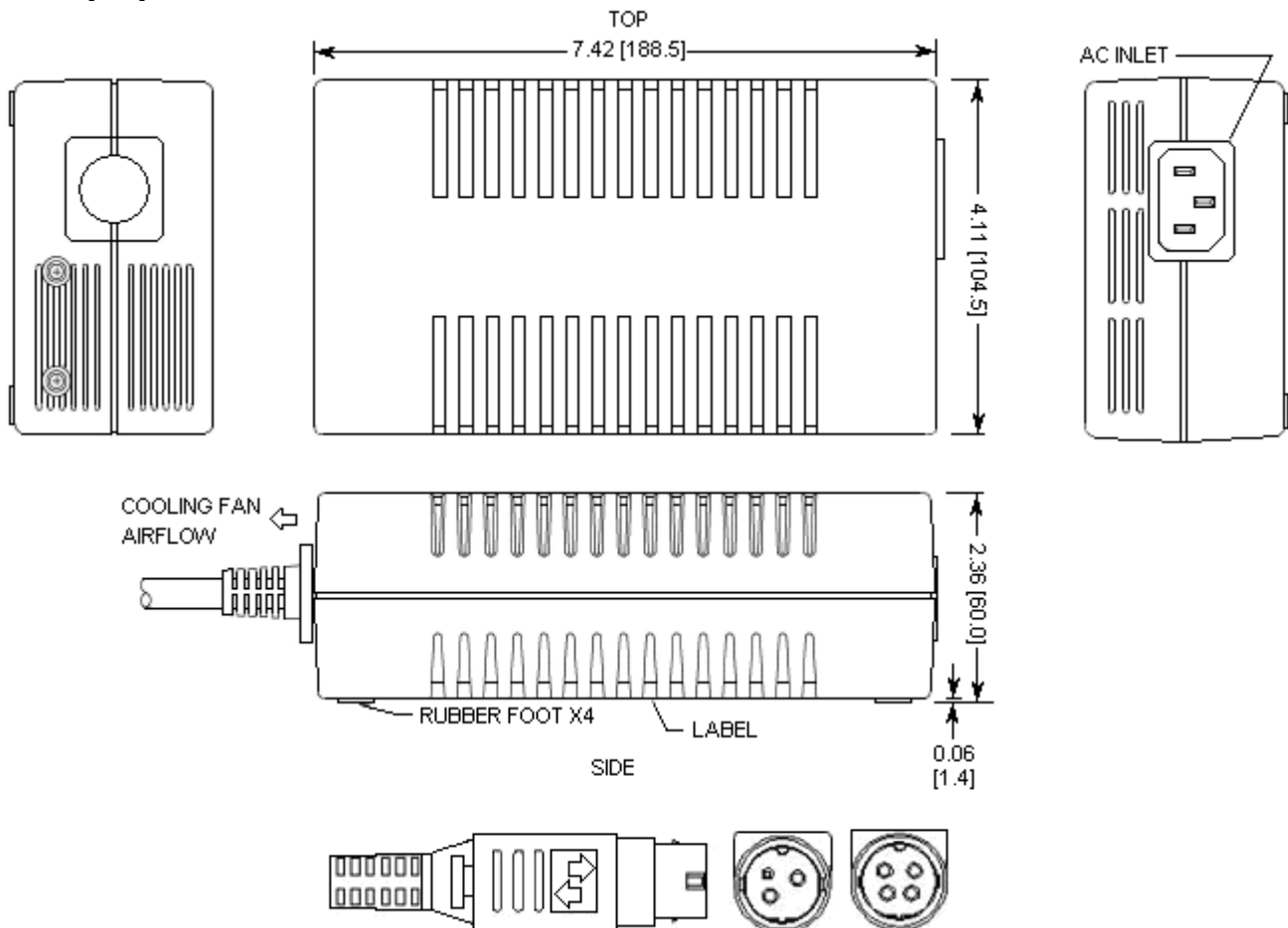
Model	Output Voltage	Output Current	Output Power	Output Regulation	Ripple & Noise	CEC (IV)	Energy Star
DTAM-200A3-1Y12E	12 VDC	16.66 A	200W	±5%	240mVp-p	V	V (1.1)
DTAM-200A3-1Y16E	16 VDC	12.5 A	200W	±5%	300mVp-p	V	V (2.0)
DTAM-200A3-1Y19E	19 VDC	10.53 A	200W	±5%	300mVp-p	V	V (2.0)
DTAM-200A3-1Y20E	20 VDC	10 A	200W	±5%	300mVp-p	V	V (2.0)
DTAM-200A3-1Y24E	24 VDC	8.33 A	200W	±5%	300mVp-p	V	V (2.0)
DTAM-200A3-1Y36E	36 VDC	5.555 A	200W	±5%	300mVp-p	V	V (2.0)
DTAM-200A3-1Y48E	48 VDC	4.166 A	200W	±5%	300mVp-p	V	V (2.0)

## NOTES

- Ripple & Noise is measured at 20MHz bandwidth with a tantalum 10uF in parallel with a 0.1uF ceramic capacitor.

## MECHANICAL DRAWING

Unit: inches [mm]



### STANDARD OUTPUT CABLE

- 12VDC: AWM 2464 #16AWG / 6C + SHIELDING, UL 80°C 300V VW-1, 1000mm ±30mm (MIN)  
16VDC and up: AWM 2464 #16AWG / 4C + SHIELDING, UL 80°C 300V VW-1, 1800mm ±30mm (MIN)
- Depends on customer's requirements.