



Size: 7.42in x 4.11in x 2.36in (188.5mm x 104.5mm x 60mm)

FEATURES

- Input Voltage Range of 90-264VAC
- 3-Pole IEC320-C14 AC Inlet
- Meets DOE Level VI Efficiency
- Meets EU Tier 1 Efficiency Requirements
- Short Circuit, Over Load, and Over Voltage Protection
- RoHS Compliant
- High Efficiency >88%
- Medical 60601-1 3rd Edition Approved

DESCRIPTION

The DTAM200 series of AC/DC desktop power supplies offers 200 watts of output power in a 7.42" x 4.11" x 2.36" package. This series consists of single output models with an input voltage range of 90-264VAC. Each model in this series is RoHS compliant, meets DOE Level VI efficiency, and has short circuit, over load, and over voltage protection. This series is medically 60601-1 3rd edition approved. Please call factory for order details.

MODEL SELECTION TABLE

Model Number	Input Voltage Range	Output Voltage	Output Current	Ripple & Noise	Output Power	Efficiency
DTAM200A3-1Y120E	90-264VAC	12V	16.66A	240mV	200W	>88%
DTAM200A3-1Y160E		16V	12.50A	300mV	200W	
DTAM200A3-1Y190E		19V	10.53A	300mV	200W	
DTAM200A3-1Y200E		20V	10A	300mV	200W	
DTAM200A3-1Y240E		24V	8.33A	300mV	200W	
DTAM200A3-1Y360E		36V	5.555A	300mV	200W	
DTAM200A3-1Y480E		48V	4.166A	300mV	200W	

SPECIFICATIONS

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.

SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
INPUT SPECIFICATIONS					
Input Voltage Range		90		264	VAC
Input Frequency		47		63	Hz
Inrush Current	@115VAC, Full Load			65	A peak
	@230VAC, Full Load			130	
Input Current (rms)	@90VAC			3	A
	@264VAC			1.5	
Power Factor	@115VAC, Full Load			0.95	
	@230VAC, Full Load			0.90	
Touch Current	@264VAC			190	uA
OUTPUT SPECIFICATIONS					
Output Voltage			See Table		
Output Regulation			±5		%
Output Power			See Table		
Output Current			See Table		
Ripple & Noise (20MHz bandwidth)			See Table		
Hold-Up Time	@115VAC, Full Load		>16		ms
No Load Power Consumption				210	mW
PROTECTION					
Short Circuit Protection			Automatic Recovery		
Over Load Protection			Automatic Recovery		
Over Voltage Protection			Shutdown and Latch Off, AC Recycle		
ENVIRONMENTAL SPECIFICATIONS					
Operating Case Temperature	Derate linearly 2.5% per °C from 51 to 70°C	-20		60	°C
	Derate linearly 1.0% per °C from -1 to -20°C				
Storage Temperature		-20		85	°C
Humidity		10		90	%
Altitude	During Operation			3000	m
MTBF	@Full Load and 25°C ambient temperature	100,000			Hours

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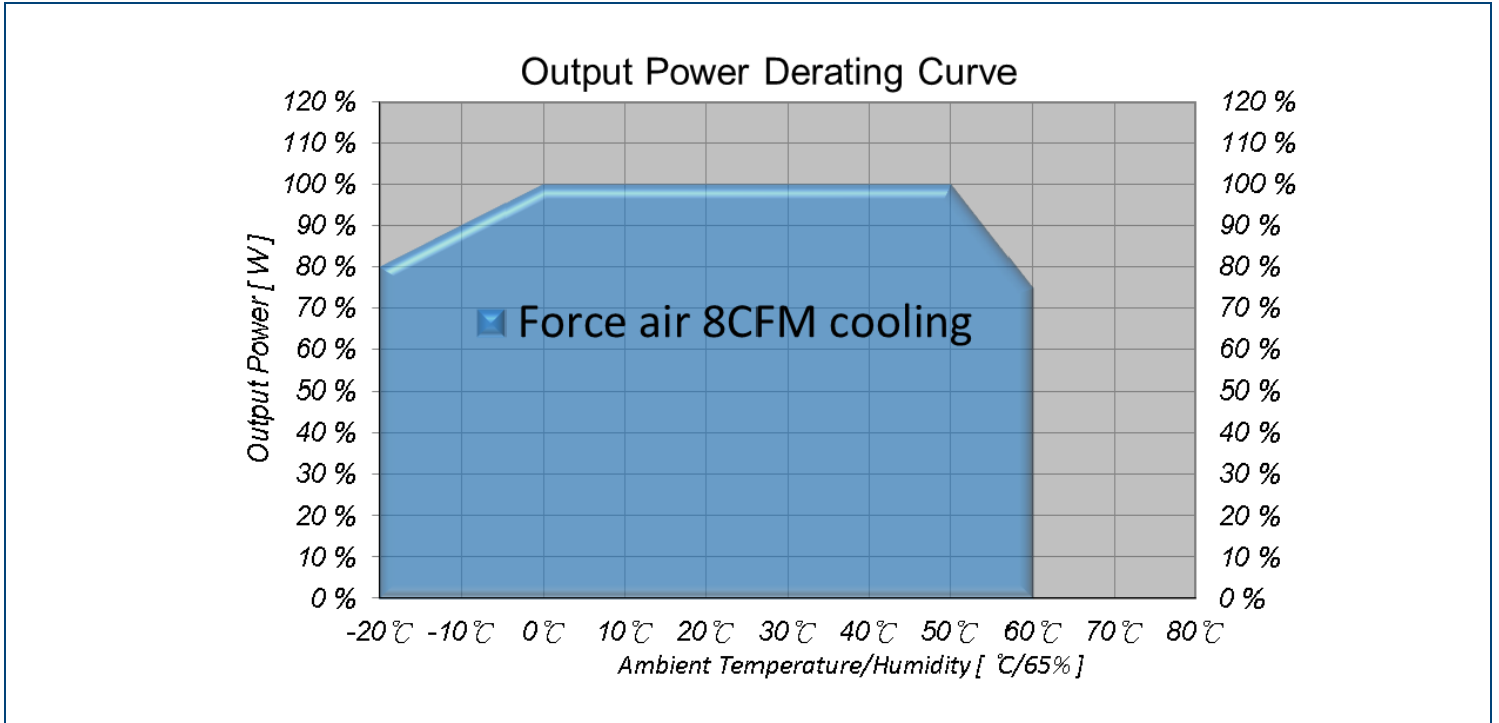
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
GENERAL SPECIFICATIONS					
Efficiency	@115/230VAC, Average Load	88			%
PHYSICAL SPECIFICATIONS					
Weight		2.07lbs (0.94kgs)			
Dimensions (L x W x H)		7.42in x 4.11in x 2.36in (188.5mm x 104.5mm x 60mm)			
DC Fan		Built In 40x40x10mm with Fan Speed Control			
AC Inlet		3-Pole IEC320-C14 AC Inlet			
SAFETY CHARACTERISTICS					
Safety Approvals		UL 60950-1 CSA C22.2-No.60950-1 TUV EN60905-1 CB IEC 60950-1			
EMC		FCC CISPR22 EN 55022 CE			
					Class B Class B Class B

NOTES

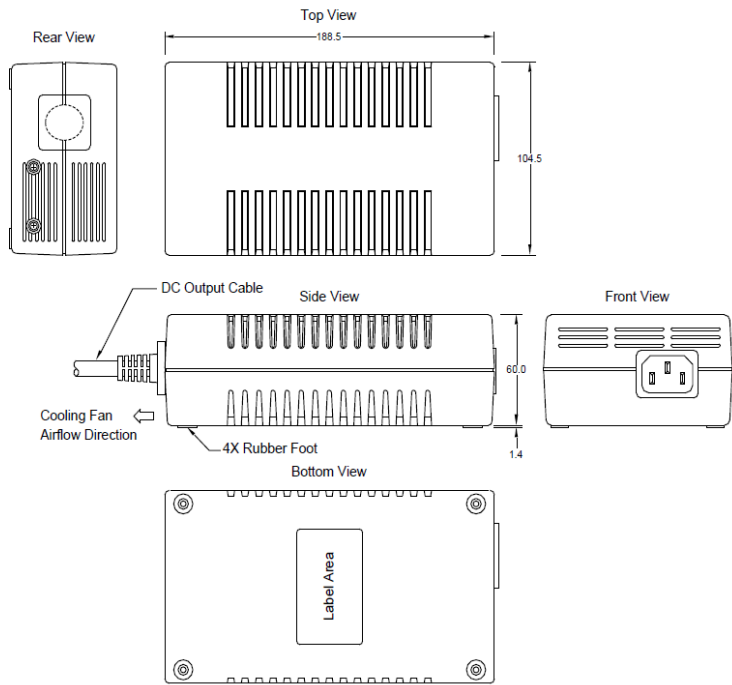
1. Ripple and noise are measured at oscilloscope 20MHz bandwidth by a 10uF electrolytic capacitor and a 0.1uF ceramic capacitor in parallel at output connector.

**Due to advances in technology, specifications subject to change without notice.*

DERATING CURVES



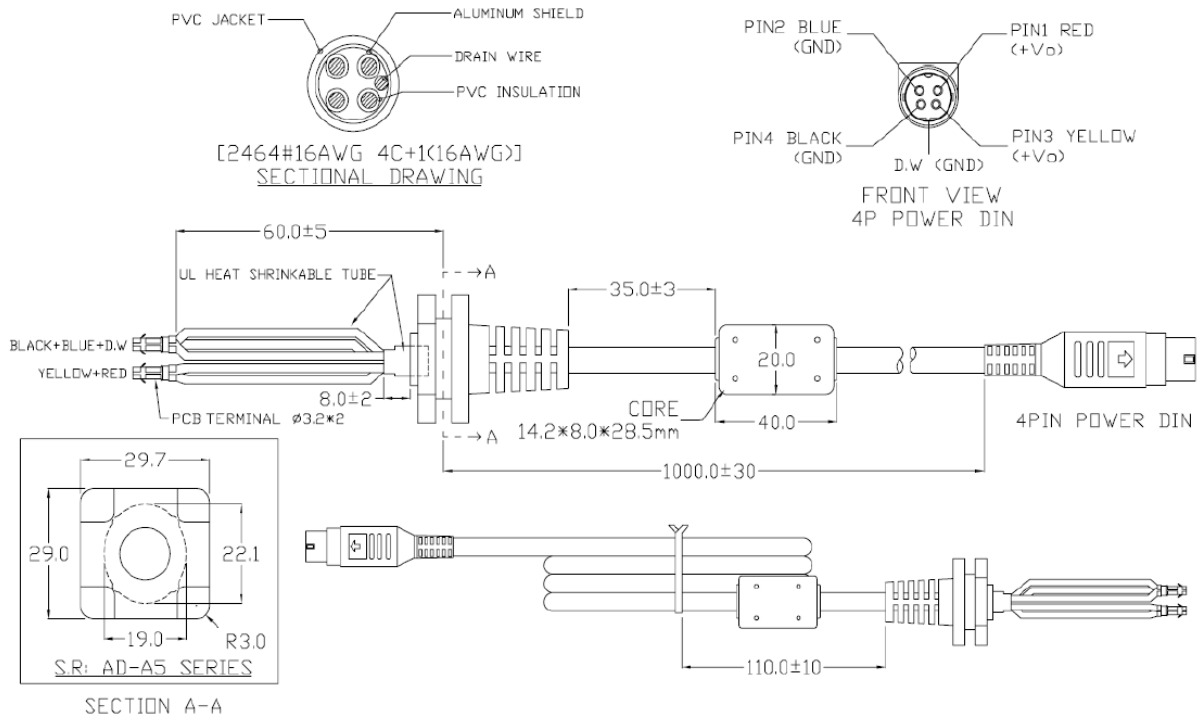
MECHANICAL DRAWINGS



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

MATCHING CONNECTORS

1. DC Output Cable: 4C+1, UL2464, 16AWG, 1,000mm with 4-Pin Power DIN Connector
2. Cable depends on customer requirements.



COMPANY INFORMATION

Wall Industries, Inc. has created custom and modified units for over 50 years. Our in-house research and development engineers will provide a solution that exceeds your performance requirements on-time and on budget. Our ISO9001-2008 certification is just one example of our commitment to producing a high quality, well-documented product for our customers.

Our past projects demonstrate our commitment to you, our customer. Wall Industries, Inc. has a reputation for working closely with its customers to ensure each solution meets or exceeds form, fit and function requirements. We will continue to provide ongoing support for your project above and beyond the design and production phases. Give us a call today to discuss your future projects.

Contact **Wall Industries** for further information:

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