



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 medical 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 ⁽¹⁾	Output Power	Efficiency
DTAM200A3-1Y120E	90-264VAC	12V	16.66A	240mVp-p	200W	>88%
DTAM200A3-1Y160E		16V	12.50A	300mVp-p	200W	
DTAM200A3-1Y190E		19V	10.53A	300mVp-p	200W	
DTAM200A3-1Y200E		20V	10A	300mVp-p	200W	
DTAM200A3-1Y240E		24V	8.33A	300mVp-p	200W	
DTAM200A3-1Y360E		36V	5.555A	300mVp-p	200W	
DTAM200A3-1Y480E		48V	4.166A	300mVp-p	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, Cold Start @25°C @230VAC, Full Load, Cold Start @25°C			65 130	A peak
Input Current (rms)	@90VAC @264VAC			3 1.5	A
Power Factor	@115VAC, Full Load @230VAC, Full Load			0.95 0.90	
Earth Leakage Current	@264VAC			190	uA
OUTPUT SPECIFICATIONS					
Output Voltage			See Table		
Output Regulation	All models, typical conditions 36V Model, -20 to -10°C		±5 ±7		% %
Output Power			See Table		
Output Current			See Table		
Ripple & Noise ⁽¹⁾			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 Derate linearly 1.0% per °C from -1 to -20°C	-20		60	°C
Storage Temperature		-20		85	°C
Humidity		10		90	%
Altitude	During Operation			3000	m
MTBF	@Full Load and 25°C ambient temperature	140,000			Hours

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.

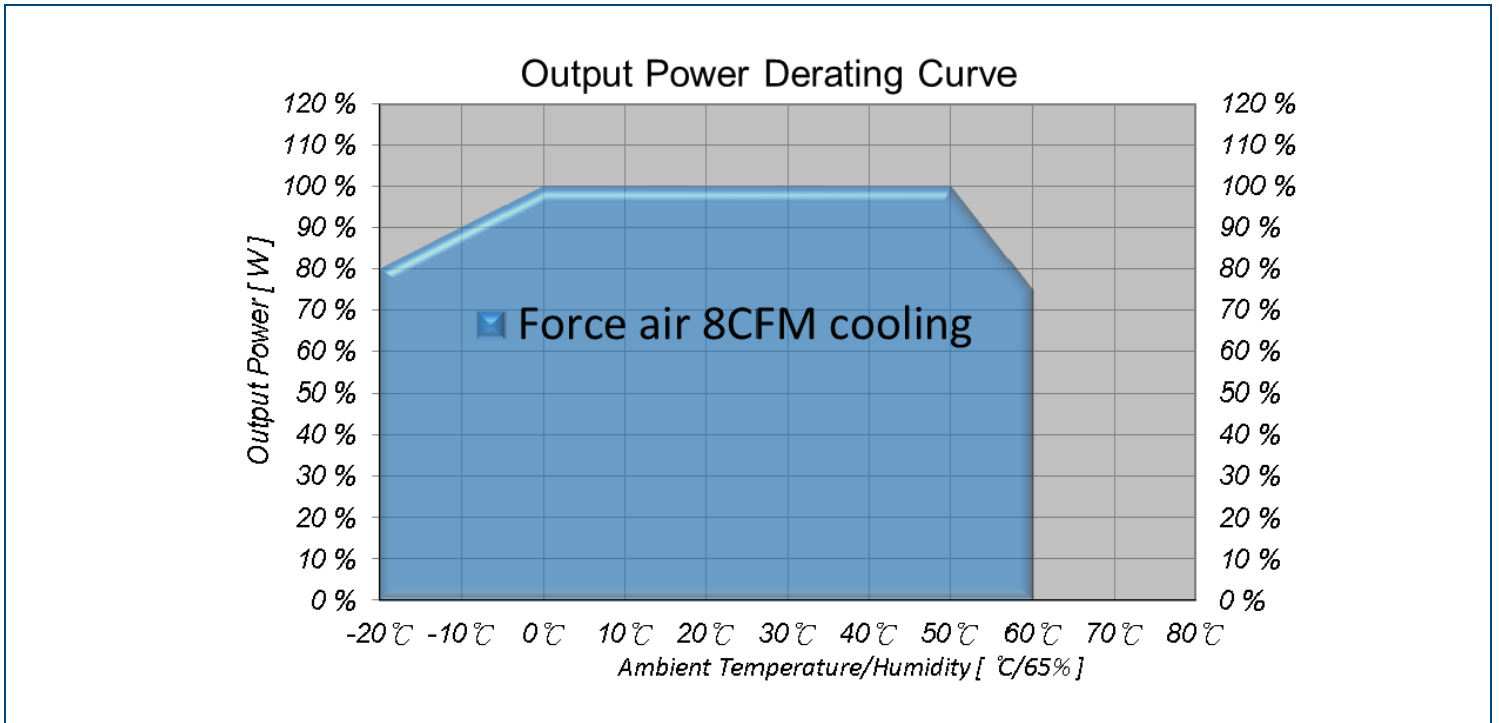
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
GENERAL SPECIFICATIONS					
Efficiency	@115/230VAC, Average Load	88			%
PHYSICAL SPECIFICATIONS					
Weight		2.07lbs (0.94kgs)			
Dimensions (L x W x H)		7.42in x 4.11in x 2.36in (188.5mm x 104.5mm x 60mm)			
DC Fan		Built In 40x40x10mm with Fan Speed Control			
AC Inlet		3-Pole IEC320-C14 AC Inlet			
SAFETY CHARACTERISTICS					
Safety Approvals		UL 60601-1 3 rd Edition ⁽²⁾ CSA C22.2-No.60601-1 3 rd Edition EN60601-1 3 rd Edition IEC EN60601-1 3 rd Edition			
EMC		EN60601-1-2 UEC60601-1-2 Ed4:2014 EN55011 FCC Part 18 CE			
					Class B Class B

NOTES

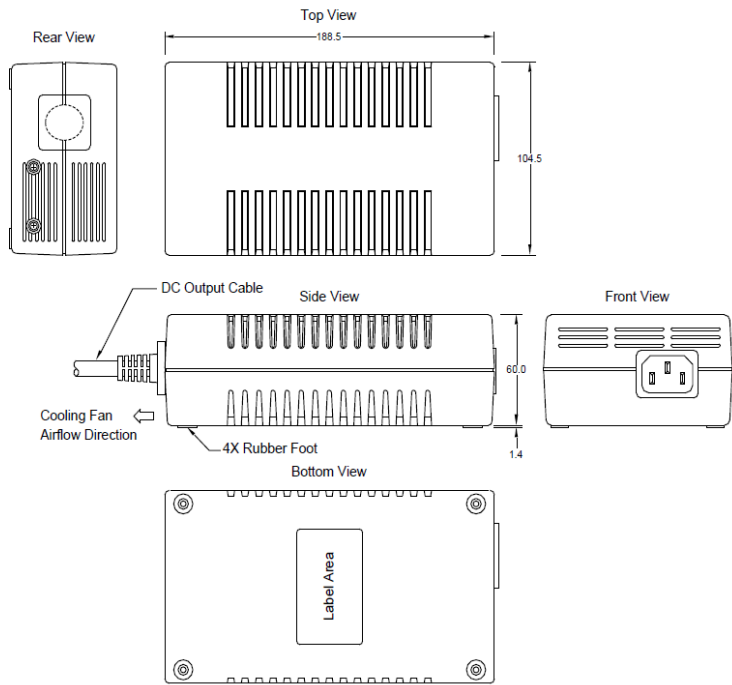
- Ripple and noise are measured at oscilloscope 20MHz bandwidth by a 10uF electrolytic capacitor and a 0.1uF ceramic capacitor in parallel at output connector.
- This product is Listed to applicable standards and requirements by UL.

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

DERATING CURVES



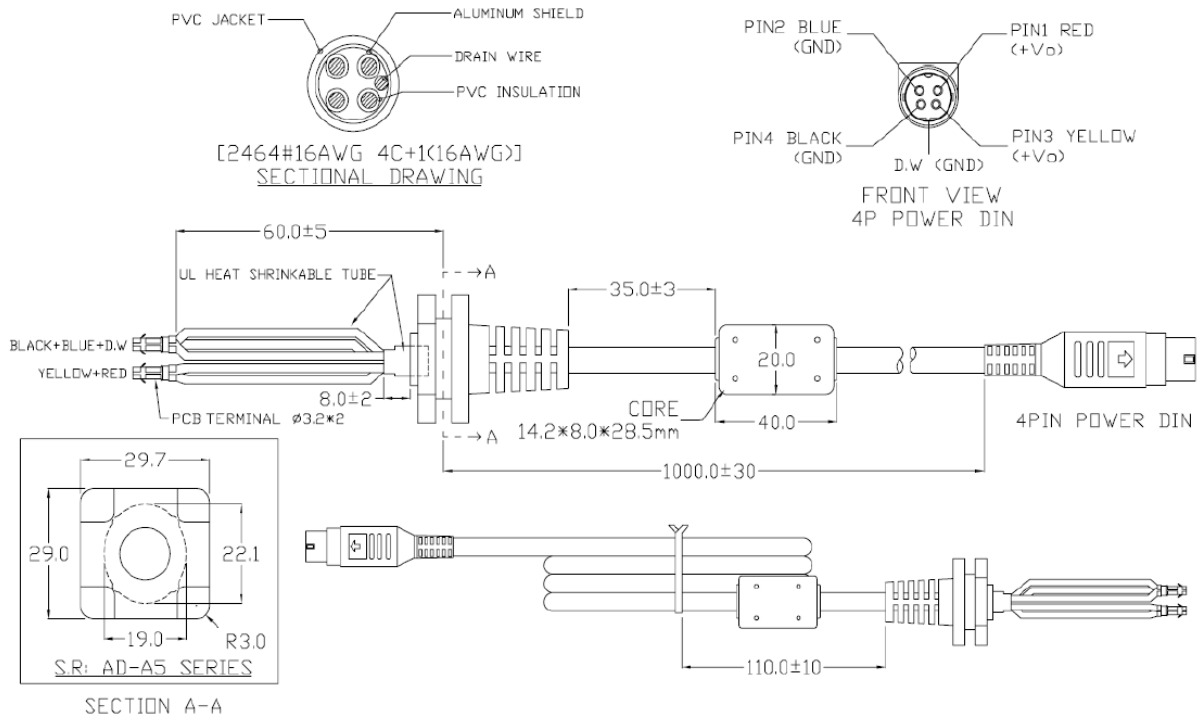
MECHANICAL DRAWINGS



- 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: 2015 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:

Phone: ☎(603)778-2300
Toll Free: ☎(888)597-9255
Fax: ☎(603)778-9797
E-mail: sales@wallindustries.com
Web: www.wallindustries.com
Address: 37 Industrial Drive
Exeter, NH 03833

©2019 Wall Industries, Inc. Specifications subject to change without notice. Wall Industries is not responsible for typographical errors. The information contained herein is for informational purposes only. This information is provided by Wall Industries and we make no representations or warranties of any kind, express or implied, about the completeness, accuracy, reliability, suitability or availability with respect to the information contained in this document for any purpose. All product and manufacturer names are trademarks or registered trademarks of their respective companies.