

Standard

With I/O Switch ("S" Suffix)



Size: 7.42in x 4.1in x 2.36in (188.5mm x 104.5mm x 60mm)

**FEATURES**

- Universal Input
- Short Circuit, Over Load, and Over Voltage Protected
- Optional I/O Switch Available
- High Efficiency
- IEC-320-C14 AC Inlet
- Built in 40x40x10mm DC Fan with Fan Speed Control
- Meets DOE Level VI and EU Tier 1 Efficiency Requirements

**DESCRIPTION**

The DTA200 series of AC/DC desktop power supplies offers 200 watts of output power in a 7.42" x 4.1" x 2.36" package. This series consists of single output models with a universal input of 90-264VAC. Each model in this series has high efficiency and is protected against short circuit, over load, and over voltage conditions. This series meets DOE Level VI and EU Tier 1 efficiency requirements

**MODEL SELECTION TABLE**

Model Number <sup>(1)</sup>	Input Voltage Range	Output Voltage	Output Current	Ripple & Noise	Output Power	Output Regulation	Efficiency Level
DTA-200A3-1Y12E	90-264VAC	12V	16.66A	240mVp-p	200W	±5%	VI
DTA-200A3-1Y16E		16V	12.50A	300mVp-p	200W	±5%	VI
DTA-200A3-1Y19E		19V	10.53A	300mVp-p	200W	±5%	VI
DTA-200A3-1Y20E		20V	10A	300mVp-p	200W	±5%	VI
DTA-200A3-1Y24E		24V	8.33A	300mVp-p	200W	±5%	VI
DTA-200A3-1Y36E		36V	5.555A	300mVp-p	200W	±5%	VI
DTA-200A3-1Y48E		48V	4.166A	300mVp-p	200W	±5%	VI

**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
<b>INPUT SPECIFICATIONS</b>					
Input Voltage Range		90		264	VAC
Input Frequency		47		63	Hz
Inrush Current	@115VAC cold start @ 25°C			65	A peak
	@230VAC cold start @ 25°C			130	
Input Current (rms)	@90VAC			3	A
	@264VAC			1.5	
Power Factor	@115VAC @Full Load	0.95			
	@230VAC @Full Load	0.90			
<b>OUTPUT SPECIFICATIONS</b>					
Output Voltage		See Table			
Output Regulation		-5		+5	%
Output Power				200	W
Output Current		See Table			
Ripple & Noise (20MHz bandwidth) <sup>(2)</sup>		See Table			
Hold-Up Time	@Full Load, 115VAC		>16		ms
<b>PROTECTION</b>					
Short Circuit Protection		Automatic Recovery			
Over Load Protection		Automatic Recovery			
Over Voltage Protection		Shutdown and Latch Off, AC Recycle			
<b>ENVIRONMENTAL SPECIFICATIONS</b>					
Operating Case Temperature	Derates linearly 2.5% per °C from 51 to 70°C	-20		+60	°C
	Derates linearly 1.0% per °C from -1 to -20°C				
Storage Temperature		-20		+85	°C
Humidity		10		90	%
Altitude				3000	m
MTBF	@Full Load and 25°C ambient temperature	140,000			hours

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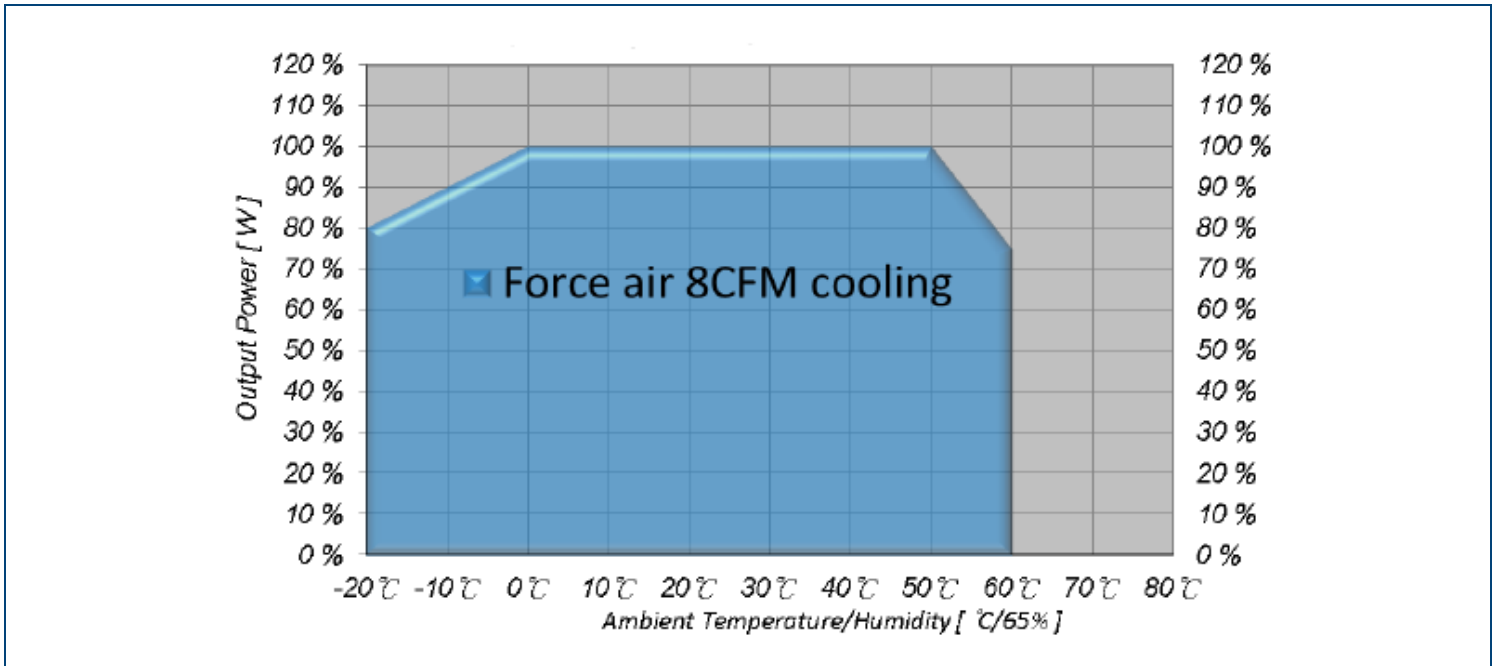
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
<b>GENERAL SPECIFICATIONS</b>					
Efficiency	@Average load, 115/230VAC	88			%
Touch Current	@264VAC			190	uA
No Load Power Consumption				210	mW
<b>PHYSICAL SPECIFICATIONS</b>					
Weight				2.07lbs (0.94kgs)	
Dimensions (L x W x H)				7.42in x 4.1in x 2.36in (188.5mm x 104.5mm x 60mm)	
AC Inlet				IEC 320-C14 Inlet	
<b>SAFETY &amp; EMC CHARACTERISTICS</b>					
Safety Approvals				UL60950-1 <sup>(3)</sup> UL62368-1 <sup>(3)</sup> CSA C22.2-No. 60950-1 CSA C22.2-No.62368-1 TUV EN60905-1 TUV EN62368-1 CB IEC 60950-1 CB IEC 62368-1	
EMC				FCC CISPR22 EN55022 CE	Class B Class B Class B

**NOTES**

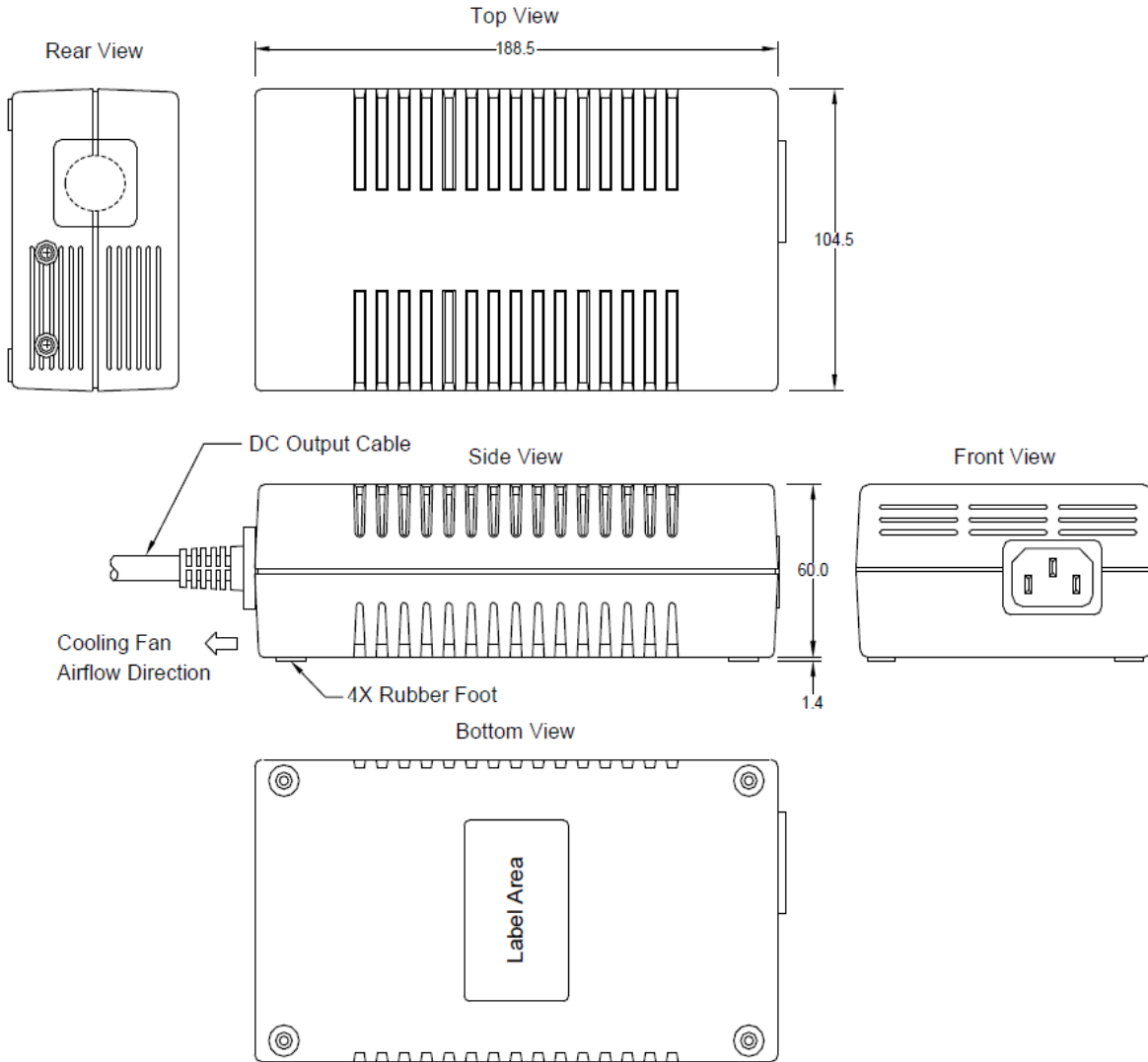
- (1) Add "S" to product number to indicate a model with I/O switch.
- (2) Ripple & Noise is measured at 20MHz bandwidth by a 10uF electrolytic capacitor and a 0.1uF ceramic capacitor in parallel at output connector.
- (3) -20 to -10°C output characteristics output regulation are ±7 for 36V
- (4) This product is Listed to applicable standards and requirements by UL.

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

**OUTPUT POWER DERATING CURVE**

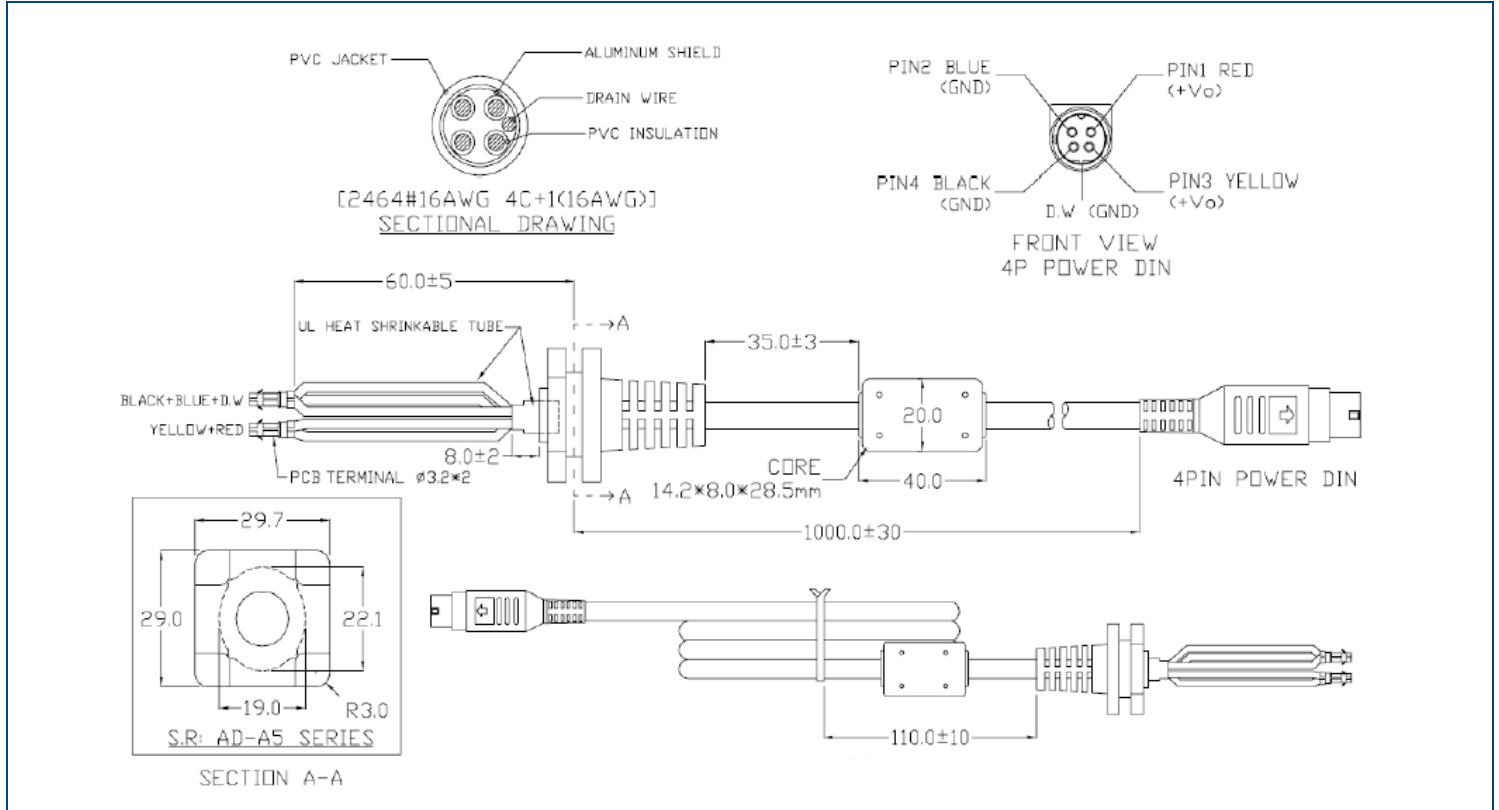


MECHANICAL DRAWINGS



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

**MATCHING CONNECTORS**



**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:

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