



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

FEATURES

- Class I
- High Reliability
- Universal Input
- 100% Hi-Pot Tested
- 100% Burn-In Tested
- Short Circuit, Over Load, and Over Voltage Protected
- IEC-320-C14 AC Inlet
- Safety Approvals, EMC Compliance
- 40 mm Cooling 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 an universal input of 90-264VAC. Each model in this series has high reliability and is protected against short circuit, over load, and over voltage conditions. This series has been 100% hi-pot and burn-in tested.

MODEL SELECTION TABLE

Model Number	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
INPUT SPECIFICATIONS					
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	
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Output Regulation		-5		+5	%
Output Power				200	W
Output Current		See Table			
Ripple & Noise (20MHz bandwidth) ⁽¹⁾		See Table			
Hold-Up Time	@Full Load, 115VAC		>16		ms
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	Derates linearly 2.5% per °C from 51to 70°C	0		+70	°C
Storage Temperature		-20		+85	°C
Humidity		10		90	%
MTBF	@Full Load and 25°C ambient temperature	100,000			hours

SPECIFICATIONS

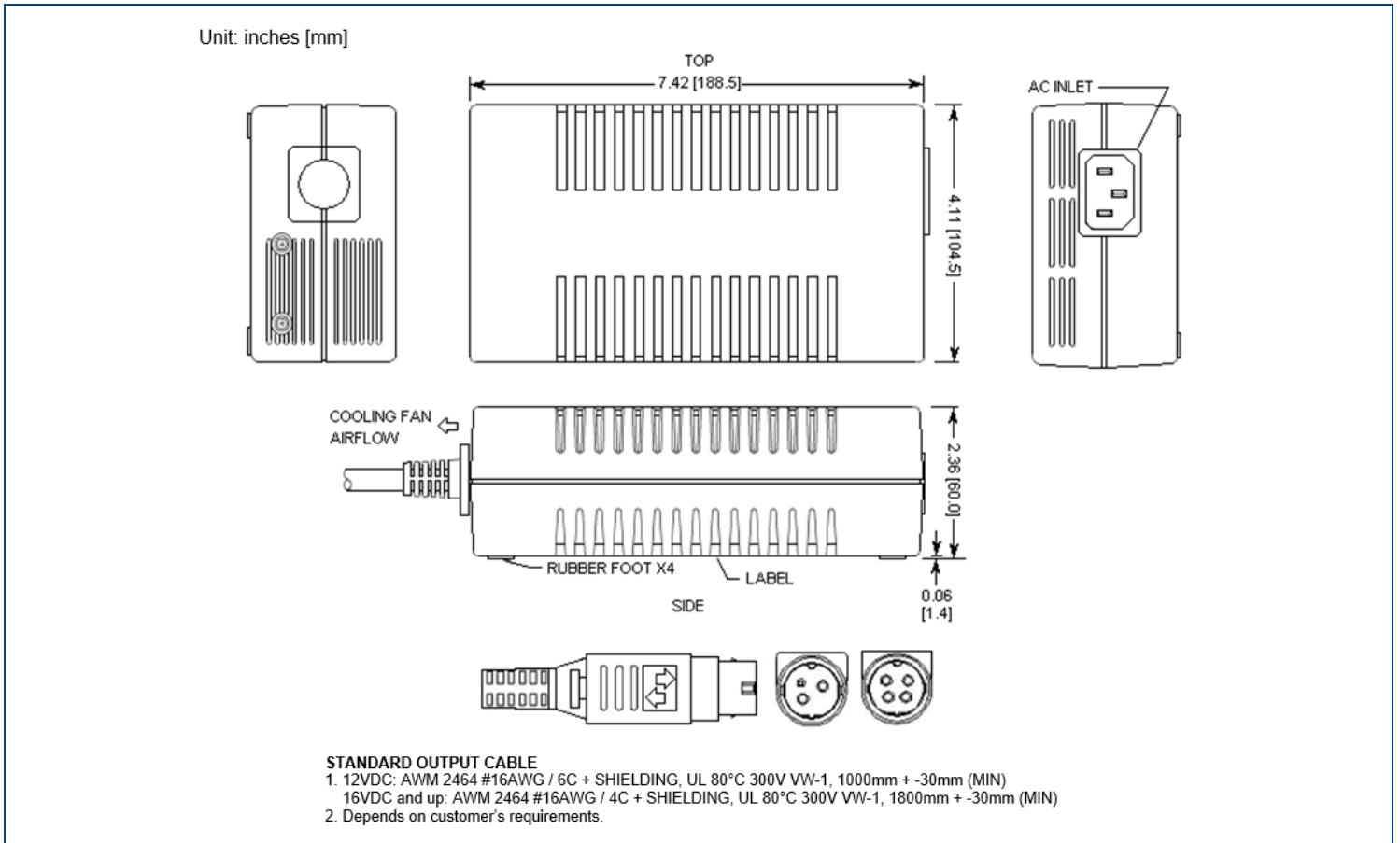
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SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
GENERAL SPECIFICATIONS					
Efficiency	@ Average load, 115/230VAC	88			%
Power Factor	@115VAC	0.95			%
	@230VAC @Full Load	0.90			
No Load Power Consumption				210	mW
Earth Leakage Current	@264VAC			228	uA
PHYSICAL SPECIFICATIONS					
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			
SAFETY & EMC CHARACTERISTICS					
Safety Approvals		UL60950-1 CSA C22.2-No. 60950-1 TUV EN60905-1 CB IEC 60950-1			
EMC		FCC CISPR22 EN55022 CE			
					Class B Class B Class B

NOTES

(1) Ripple & Noise is measured at 200MHz bandwidth with a tantalum 10uF in parallel with a 0.1uF ceramic capacitor.

MECHANICAL DRAWINGS



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.

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