


Size: 4.25in x 1.87in x 1.18in
(108mm x 47.5mm x 30mm)

FEATURES

- 2-Pin IEC320-C8 and 3-Pin IEC320-C6 AC Inlets Available
- Meets Energy Efficiency Level VI & ErP Tier 2 requirements
- Power On LED Indicator
- High Efficiency of >89%
- RoHS Compliant
- Over Load, Short Circuit, and Over Load Protection
- Meets UL 60950-1, UL 62368-1, CSA C22.2-No.60950-1, CSA C22.2-No. 62368-1, TUV EN60950-1, TUV EN62368-1, CB IEC 60950-1, and CB IEC 62368-1 Safety Approvals
- Plastic, Black Case

OPTIONS

- AC Inlet
- Output Cable

DESCRIPTION

The DTA65A2 series of AC DC desktop power supplies provides up to 65 watts of output power in a 4.25" x 1.87" x 1.18" package. This series offers single output models ranging from 5V to 48V with an input voltage range of 90-264VAC. All models are RoHS compliant and Energy Level VI compliant. This series has a high efficiency of at least 89% as well as over load, short circuit, and over load protection. The DTA65A2 series has UL 60950-1, UL 62368-1, CSA C22.2-No.60950-1, CSA C22.2-No. 62368-1, TUV EN60950-1, TUV EN62368-1, CB IEC 60950-1, and CB IEC 62368-1 safety approvals. Two AC inlets are available: 2-Pin IEC320-C8 and 3-Pin IEC320-C6. Please call factory for order details.

MODEL SELECTION TABLE

Model Number ⁽¹⁾	Input Voltage Range	Output Voltage	Output Current	Ripple & Noise ⁽²⁾	No Load Power Consumption	Output Regulation	Output Power	LPS
DTA-040A2-1Y05Fx	90-264VAC	5V	8A	200mV	<150mW	±5%	40W	
DTA-060A2-1Y12Fx		12V	5A	150mV		±5%	60W	•
DTA-060A2-1Y15Fx		15V	4A	150mV		±5%	60W	•
DTA-065A2-1Y19Fx		19V	3.42A	150mV		±3%	65W	•
DTA-065A2-1Y24Fx		24V	2.71A	150mV		±3%	65W	•
DTA-065A2-1Y28Fx		28V	2.32A	150mV		±3%	65W	•
DTA-065A2-1Y48Fx		48V	1.35A	150mV		±3%	65W	•

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	Peak @115VAC cold start @25°C			45	A
	Peak @230VAC cold start @25°C			90	
Input Current (rms)	@90VAC			2	A
	@264VAC			1	
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Output Regulation		See Table			
Output Power		See Table			
Output Current		See Table			
Ripple & Noise (Vp-p)	Full Load	See Table			
Hold-Up Time	@Full Load, 115VAC		>10		mS
PROTECTION					
Short Circuit Protection		Auto-Recovery			
Over Load Protection		Auto-Recovery			
Over Voltage Protection		Latch Off			
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature	See Derating Curve	-20		60	°C
Storage Temperature		-20		85	°C
Humidity		10		90	%
MTBF	@Full Load and 25°C ambient temperature	200,000			Hours
GENERAL SPECIFICATIONS					
Efficiency	@Average Load, 115/230VAC	89			%

SPECIFICATIONS

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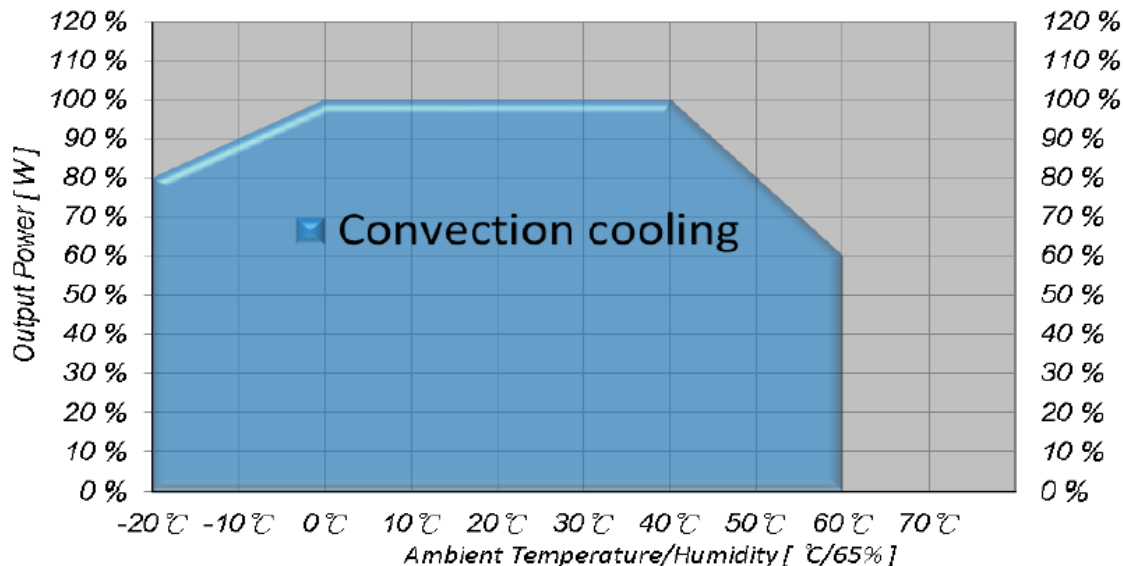
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
PHYSICAL SPECIFICATIONS					
Weight				8.29oz (235g)	
Dimensions (L x W x H)				4.25in x 1.87in x 1.18in (108mm x 47.5mm x 30mm)	
Case Material				Plastic	
SAFETY & EMC CHARACTERISTICS					
Safety Approvals				UL 60950-1 ⁽³⁾ UL 62368-1 CSA C22.2-No. 60950-1 CSA C22.2-No. 62368-1 TUV EN60950-1 TUV EN62368-1 CB IEC60950-1 CB IEC62368-1	
EMC Standards				EN 55032 EN 55024 FCC Part 15 CE	Class B Class B

NOTES

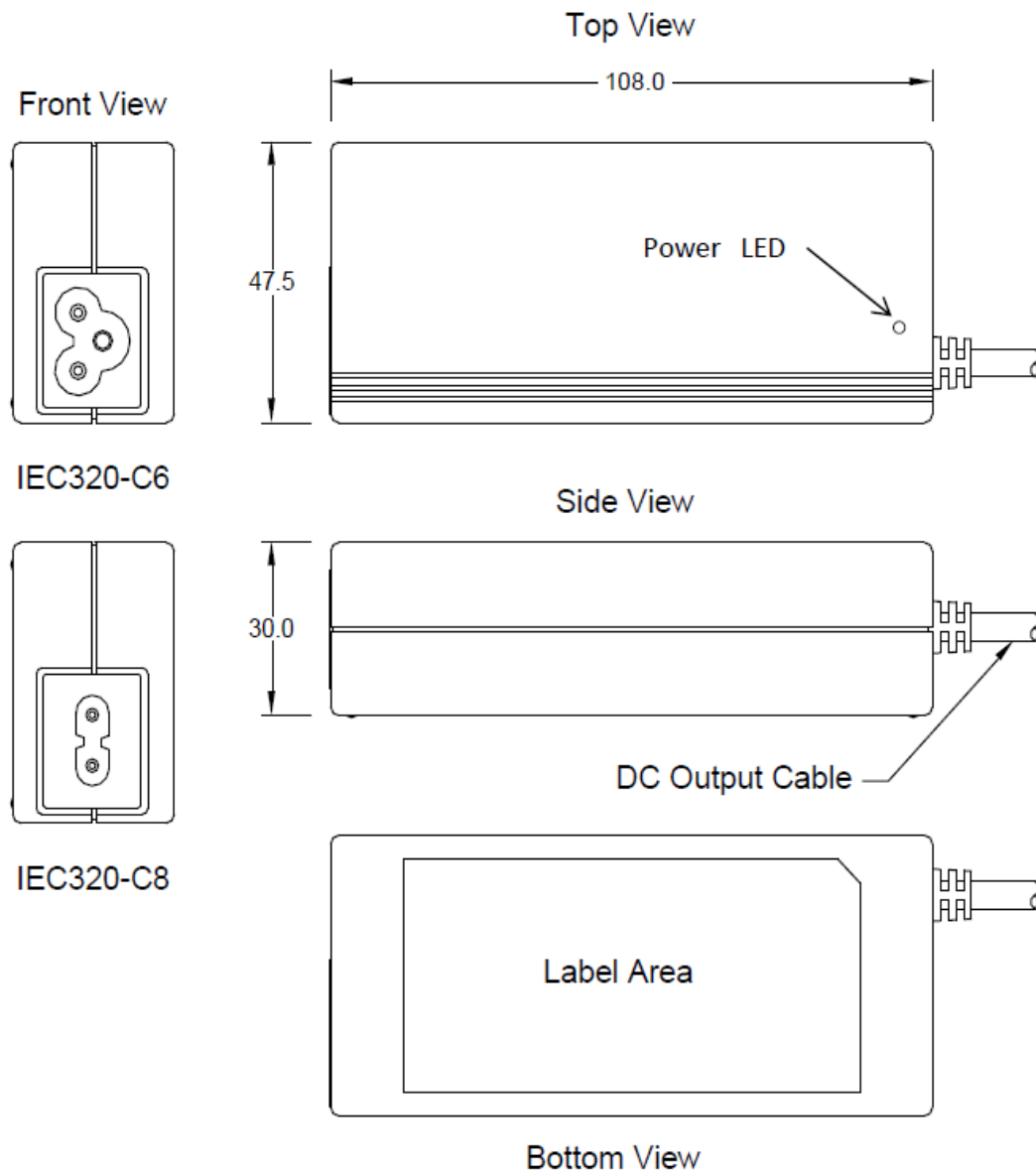
- (1) "X" in model number represents the optional AC Inlet. 1=IEC 320-C8 (2 Pin) or 2= IEC 320-C6 (3 Pin)
- (2) Ripple and noise are measured at oscilloscope 20MHz bandwidth by a 47uF electrolytic capacitor and a 0.1uF ceramic capacitor in parallel at output connector.
- (3) This product is Listed to applicable standards and requirements by UL.

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

OUTPUT POWER DERATING CURVE



MECHANICAL DRAWINGS



Note:

1. AC Inlet: IEC320-C6 or IEC320-C8
2. Plastic Case Color: Black
3. Tolerance: $\pm 0.5\text{mm}$
4. Unit: mm

Standard Output Cable

1. AWM 11353 #14 AWG 1C + SHIELDING, UL 80°C 300V VW-1, 800mm (5V Only)
2. AWM 1571 #14 AWG 1C + SHIELDING, UL 80°C 30V VW-1, 1,000mm (12V, 24V)
3. AWM 1185 #16 AWG 1C + SHIELDING, UL 80°C 300V VW-1, 1,000mm (15V, 19V, 28V, 48V)
4. Depends on customers' 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.

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