



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

OPTIONS

- Output Voltage
- AC Inlet
- Output Cable

FEATURES

- 2-Pin IEC320-C8 and 3-Pin IEC320-C6 AC Inlets Available
- Meets Energy Efficiency Level VI (excluding 5V models) & CoC V5 Tier 2 requirements
- Power On LED Indicator
- High Efficiency of >89%
- Over Load, Short Circuit, and Over Load Protection
- Meets UL 60950-1, CSA C22.2-No.60950-1, TUV EN60950-1, and CB IEC 60950-1 Safety Approvals
- Plastic, Black Case

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 models above 5V are 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, CSA C22.2-No. 60950-1, TUV EN60950-1, and CB IEC 60950-1 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	Efficiency Level
DTA-040A2-1Y05F1	90-264VAC	5V	8A	200mV	<150mW	±5%	40W	V
DTA-060A2-1Y12F1		12V	5A	150mV		±5%	60W	VI
DTA-060A2-1Y15F1		15V	4A	150mV		±5%	60W	VI
DTA-065A2-1Y19F1		19V	3.42A	150mV		±3%	65W	VI
DTA-065A2-1Y24F1		24V	2.71A	150mV		±3%	65W	VI
DTA-065A2-1Y28F1		28V	2.32A	150mV		±3%	65W	VI
DTA-065A2-1Y48F1		48V	1.35A	150mV		±3%	65W	VI
DTA-040A2-1Y05F2	90-264VAC	5V	8A	200mV	<150mW	±5%	40W	V
DTA-060A2-1Y12F2		12V	5A	150mV		±5%	60W	VI
DTA-060A2-1Y15F2		15V	4A	150mV		±5%	60W	VI
DTA-065A2-1Y19F2		19V	3.42A	150mV		±3%	65W	VI
DTA-065A2-1Y24F2		24V	2.71A	150mV		±3%	65W	VI
DTA-065A2-1Y28F2		28V	2.32A	150mV		±3%	65W	VI
DTA-065A2-1Y48F2		48V	1.35A	150mV		±3%	65W	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.

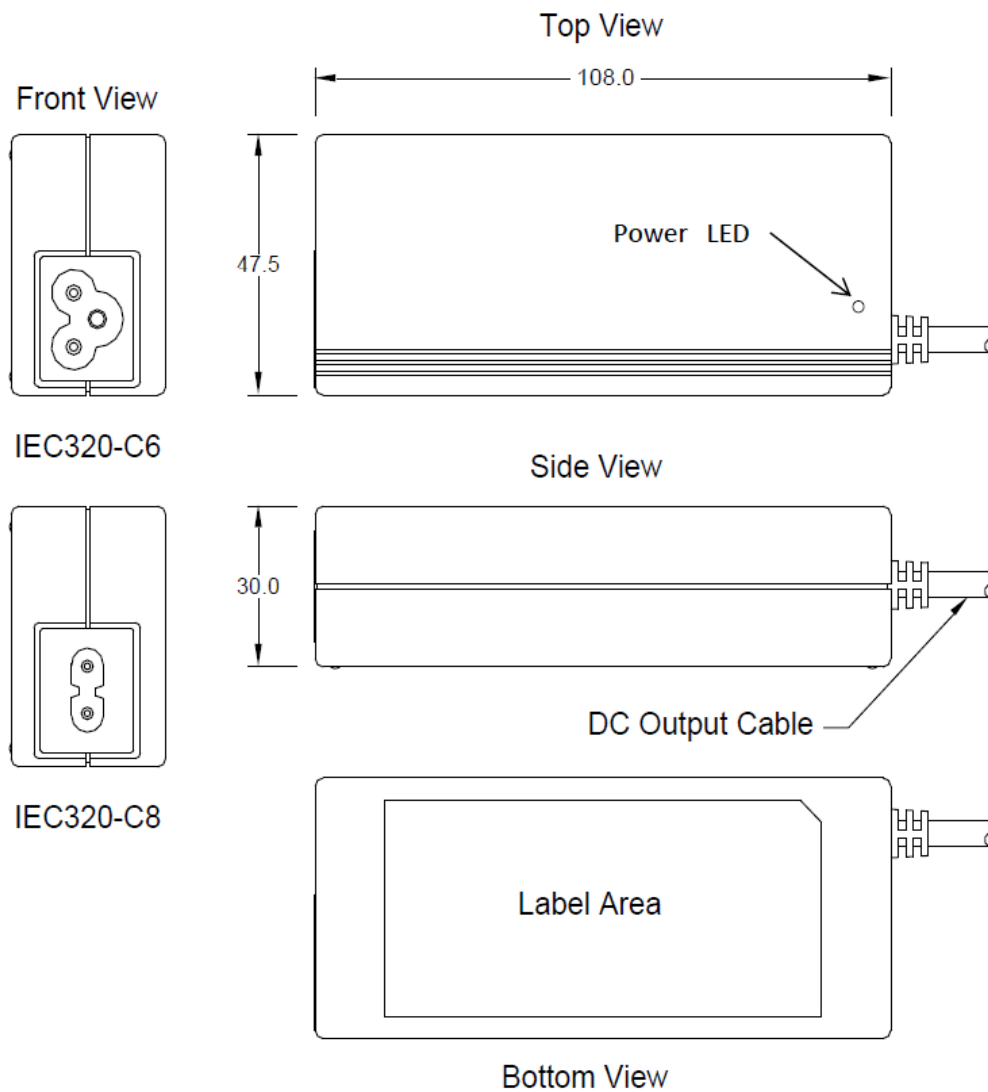
SPECIFICATION		TEST CONDITIONS		Min	Typ	Max	Unit
INPUT SPECIFICATIONS							
Input Voltage Range		90		264		VAC	
Input Frequency		47		63		Hz	
Inrush Current	Peak @115VAC cold start @25°C			45		A	
	Peak @230VAC cold start @25°C			90			
Input Current (rms)	@90VAC			2		A	
	@264VAC			1			
OUTPUT SPECIFICATIONS							
Output Voltage		See Table					
Output Regulation		See Table					
Output Power		See Table					
Output Current		See Table					
Ripple & Noise (Vp-p)	5V, Full Load		200			mV	
	12V-48V, Full Load		150				
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 Case Temperature	Derate linearly 2.5% per °C from 41 to 60°C	0		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				%	
PHYSICAL SPECIFICATIONS							
Weight		8.29oz (235g)					
Dimensions (L x W x H)		4.25 x 1.87 x 1.18 in (108 x 47.5 x 30mm)					
Case Material		Plastic					
SAFETY & EMC CHARACTERISTICS							
Safety Approvals	UL 60950-1 ⁽³⁾ CSA C22.2-No. 60950-1 TUV EN60950-1 CB IEC60950-1						
EMC Standards	FCC CISPR EN 55022 CE		Class B Class B		Class B		

NOTES

- (1) Number at the end of the model name 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.*

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 1571 #16 AWG 1C + SHIELDING, UL 80°C 30V VW-1, 1,000mm.
2. AWM 2464 #18 AWG 3C + SHIELDING, UL 80°C 300V VW-1, 1,000mm.
3. 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.

Contact **Wall Industries** for further information:

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