



Size: 3.94in x 2.20in x 1.30in (100mm x 56mm x 33mm)

FEATURES

- Universal Input Voltage Range
- Single Output Models
- Optional Output Connectors Available
- IEC-320-C14, IEC-320-C8, and IEC-320-C6 Input Inlets Available
- Meets EISA 2007/DoE (VI) & EU ErP/CoC (5)
- Over Voltage, Over Current, and Short Circuit Protection
- High Efficiency
- UL60950-1; CSA C22.2 and EN60905-1 Safety Approvals

DESCRIPTION

The DTA2-65 series of AC/DC desktop power supplies offers up to 65 watts of output power in a 3.94" x 2.20" x 1.30" package. This series consists of single output models with a universal input voltage range and high efficiency. Different options are available for this series including either IEC-320-C14, IEC-320-C8, and IEC-320-C6 input inlets and different optional output connectors. Each model in this series meets EIS 2007/DoE (VI) and EU ErP/CoC (5) and each has over voltage, over current, and short circuit protection. This series has UL60950-1: CSA C22.2 and EN60950-1 safety approvals. Please call factory for order details.

MODEL SELECTION TABLE

Model Number ⁽¹⁾	Output Voltage	Output Current	Output Power	Ripple Max.	Efficiency		Input Voltage Range
					DoE (VI)	CoC (5)	
DTA2-60S12X	12VDC	5.0A	60W	250mV	>88%	>89%	100~240VAC
DTA2-60S125X	12.5VDC	4.80A	60W	250mV	>88%	>89%	
DTA2-60S13X	13VDC	4.61A	60W	250mV	>88%	>89%	
DTA2-60S135X	13.5VDC	4.44A	60W	250mV	>88%	>89%	
DTA2-60S14X	14VDC	4.28A	60W	250mV	>88%	>89%	
DTA2-60S145X	14.5VDC	4.13A	60W	250mV	>88%	>89%	
DTA2-60S15X	15VDC	4.0A	60W	250mV	>88%	>89%	
DTA2-60S155X	15.5VDC	3.87A	60W	250mV	>88%	>89%	
DTA2-60S16X	16VDC	3.75A	60W	250mV	>88%	>89%	
DTA2-60S165X	16.5VDC	3.63A	60W	250mV	>88%	>89%	
DTA2-60S17X	17VDC	3.52A	60W	250mV	>88%	>89%	
DTA2-60S18X	18VDC	3.33A	60W	300mV	>88%	>89%	
DTA2-60S185X	18.5VDC	3.24A	60W	300mV	>88%	>89%	
DTA2-60S19X	19VDC	3.15A	60W	300mV	>88%	>89%	
DTA2-60S195X	19.5VDC	3.07A	60W	300mV	>88%	>89%	
DTA2-60S20X	20VDC	3.0A	60W	300mV	>88%	>89%	
DTA2-60S205X	20.5VDC	2.92A	60W	360mV	>88%	>89%	
DTA2-60S21X	21VDC	2.85A	60W	360mV	>88%	>89%	
DTA2-60S215X	21.5VDC	2.79A	60W	360mV	>88%	>89%	
DTA2-60S22X	22VDC	2.72A	60W	360mV	>88%	>89%	
DTA2-60S225X	22.5VDC	2.66A	60W	360mV	>88%	>89%	
DTA2-60S23X	23VDC	2.60A	60W	360mV	>88%	>89%	
DTA2-60S235X	23.5VDC	2.55A	60W	360mV	>88%	>89%	
DTA2-60S24X	24VDC	2.50A	60W	360mV	>88%	>89%	
DTA2-65S18X	18VDC	3.61A	65W	300mV	>88%	>89%	
DTA2-65S185X	18.5VDC	3.51A	65W	300mV	>88%	>89%	
DTA2-65S19X	19VDC	3.42A	65W	300mV	>88%	>89%	
DTA2-65S195X	19.5VDC	3.33A	65W	300mV	>88%	>89%	
DTA2-65S20X	20VDC	3.25A	65W	300mV	>88%	>89%	
DTA2-65S205X	20.5VDC	3.17A	65W	360mV	>88%	>89%	
DTA2-65S21X	21VDC	3.09A	65W	360mV	>88%	>89%	
DTA2-65S215X	21.5VDC	3.02A	65W	360mV	>88%	>89%	
DTA2-65S22X	22VDC	2.95A	65W	360mV	>88%	>89%	
DTA2-65S225X	22.5VDC	2.88A	65W	360mV	>88%	>89%	
DTA2-65S23X	23VDC	2.82A	65W	360mV	>88%	>89%	
DTA2-65S235X	23.5VDC	2.76A	65W	360mV	>88%	>89%	
DTA2-65S24X	24VDC	2.70A	65W	360mV	>88%	>89%	

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.

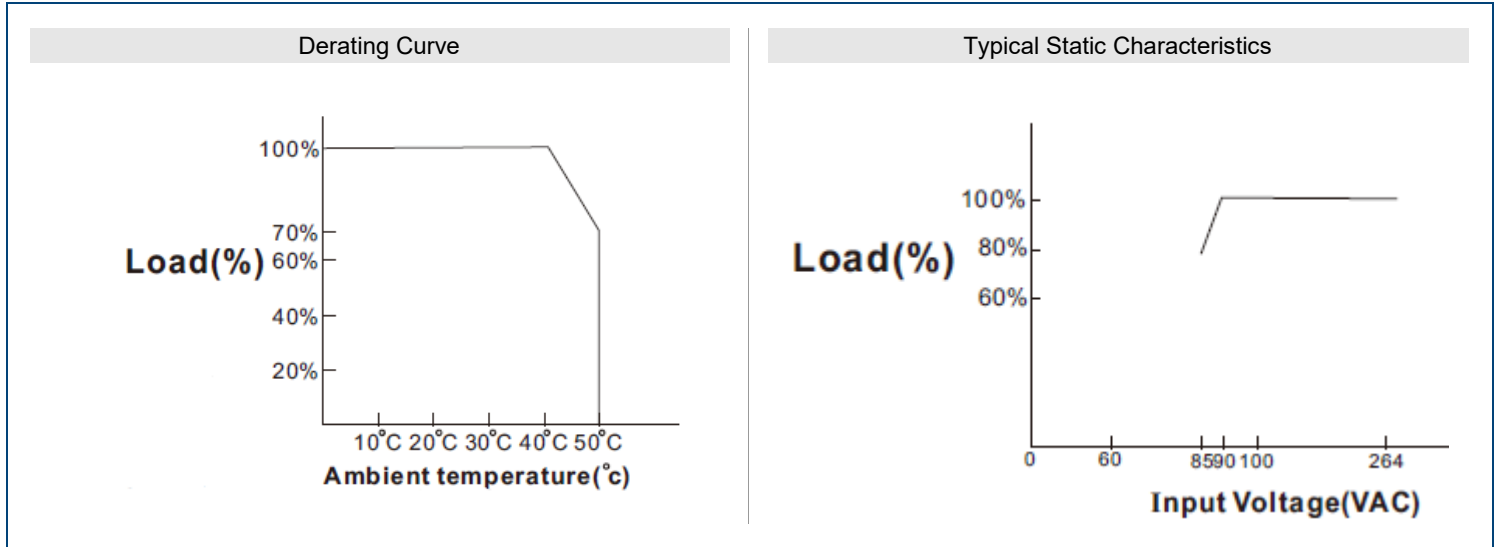
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
INPUT SPECIFICATIONS					
Input Voltage Range		100		240	VAC
Input Frequency		50		60	Hz
Input Current				1.5	A
Inrush Current	@230VAC at 25°C Cold Start		100		A
Leakage Current	Class I @240VAC/50Hz		3.5		mA
	Class II @240VAC/50Hz		0.25		
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Line Regulation	For any input voltage change between input voltage range			±2	%
Load Regulation	Variations from minimum to maximum output current		±5		%
Output Power		See Table			
Output Current		See Table			
Ripple		See Table			
Transient Response	Maximum excursion on 4% or better on all models. Recovering 1% of final value within 500uS after a 25% step load change.				
Set Up Time	@Full Load		3000		mS
Hold Up Time	@Full Load		10		mS
Rise Time	@Full Load		50		mS
Temperature Coefficient	All Outputs			±0.04	%/°C
PROTECTION					
Short Circuit Protection	Hiccup Mode	Automatic Recovery			
Over Current Protection	Hiccup Mode	Automatic Recovery			
	Rated Output Current	110			%
Over Voltage Protection	Protected by Zener Diode				
	Rated Output Voltage	110		140	%
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature		0		40	°C
Storage Temperature		-40		85	°C
Relative Humidity	Non-Condensing	5		95	%RH
Derating	Derated from 100% at +40°C linearly to 70% at 50°C				
MTBF	@Full Load at 25°C Ambient	40,000			Hours
GENERAL SPECIFICATIONS					
Avg. Efficiency		See Table			
Withstand Voltage	From Input to Output		4242		VDC
Insulation Resistance	From Input to Output	50			MΩ
PHYSICAL SPECIFICATIONS					
Weight		Approx. 8.82oz (250g)			
Dimensions (L x W x H)		3.94in x 2.20in x 1.30in (100mm x 56mm x 33mm)			
SAFETY CHARACTERISTICS					
Safety Approvals		UL60950-1; CSA C22.2 EN60950-1			
EMC		CE: Emission: EN55022; EN61000-3-2, 3 Immunity: IEC61000-4-2, 3, 4, 5, 6, 11			

NOTES

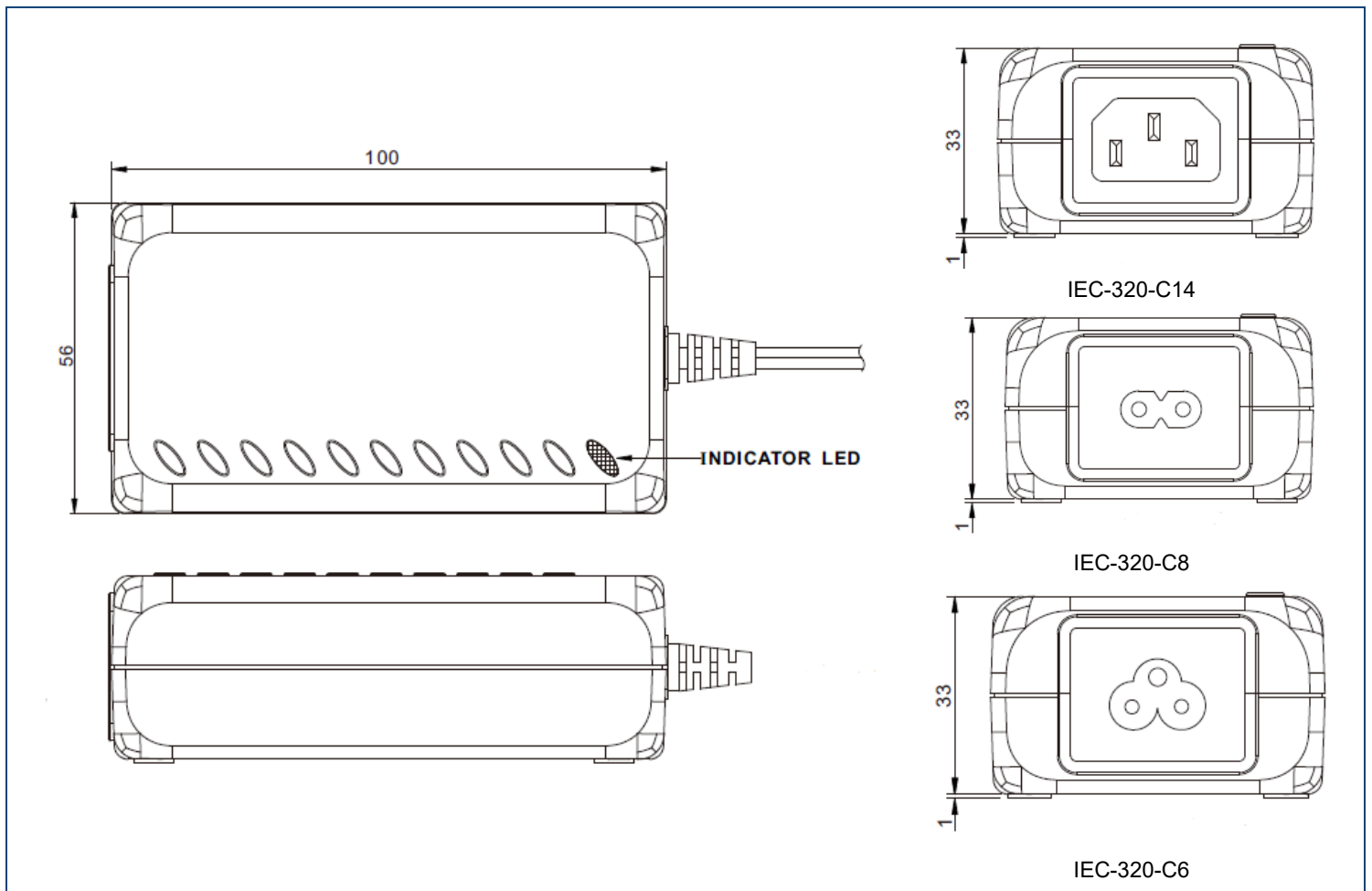
1. "X" in model number represents AC Inlet. "X" can either be "A" for IEC-320-C14, "B" for IEC-320-C8, or "C" for IEC-320-C6.
2. Avg. efficiency: Averages the efficiency at 25, 50, 75, and 100% of max. rated output current.
3. Standard Output Cable: 12~21V: UL2468, 16AWG, 1M
21~24V: UL2468, 18AWG, 1M
4. Optional output connectors are available.
5. 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



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

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