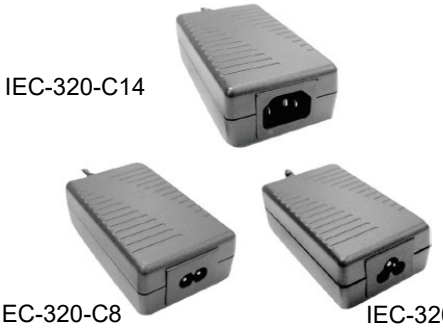


Size: 3.54~3.94in x 2.30in x 1.29in (90-100mm x 58.5mm x 32.8mm)

FEATURES

- Universal Input Voltage Range of 100~240VAC
- Passes LPS
- IEC-320-C14, IEC-320-C8, IEC-320-C6 or Mains Cord Inputs Available
- Optional Output Connectors
- High Efficiency & Reliability
- Over Voltage, Over Current, and Short Circuit Protection
- UL60950-1; CSA C22.2, EN60950-1, and IEC60950-1 Safety Approvals

DESCRIPTION

The DTGPSU15X-CC series of AC/DC desktop power supplies offers up to 15 watts of output power in a 3.54~3.94” x 2.30” x 1.29” compact package. This series consists of single output models with a universal input voltage range of 100~240VAC and high efficiency and reliability. Each model in this series has over voltage, over current, and short circuit protection and passes LPS. IEC-320-C14, IEC-320-C8, IEC-320-C6, or Mains Cord AC inlets are available for this series and there are UL60950-1; CSA C22.2, EN60905-1 and IEC60950-1 safety approvals. Please call factory for order details.

MODEL SELECTION TABLE

Model Number[1]	Input Voltage Range	Output Voltage	Output Current		Max. Output Power	Ripple Max.	Load Regulation	Efficiency	No Load Power Consumption	Measured at Output
			Min Load	Max Load						
DTGPSU15XY-1-CC	100~240VAC	5~6VDC	2.00A	2.40A	12W	50mV	±10%	>65%	<0.5W	5.6
DTGPSU15XY-1-1-CC		6~8VDC	1.50A	2.00A	12W	80mV	±5%	>74%		7.2
DTGPSU15XY-2-CC		8~11VDC	1.36A	1.80A	15W	80mV	±5%	>76%		8.4
DTGPSU15XY-3-CC		11~13VDC	1.15A	1.36A	15W	100mV	±5%	>76%		12
DTGPSU15XY-4-CC		13~16VDC	0.94A	1.15A	15W	120mV	±3%	>76%		13.8
DTGPSU15XY-5-CC		16~21VDC	0.72A	0.94A	15W	120mV	±3%	>77%		18
DTGPSU15XY-6-CC		21~27VDC	0.55A	0.72A	15W	150mV	±3%	>78%		24
DTGPSU15XY-7-CC		27~33VDC	0.45A	0.55A	15W	240mV	±2%	>80%		28.6
DTGPSU15XY-8-CC		33~48VDC	0.31A	0.45A	15W	240mV	±2%	>80%		48

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				0.5	A
Inrush Current	@110VAC, 25ºC, Cold Start		20		A
	@230VAC, 25ºC, Cold Start		40		
Leakage Current	@240VAC/50Hz			0.25	mA
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Line Regulation	For any input voltage change between input voltage range		±0.5	±1	%
Load Regulation	Variations from minimum to maximum output current	See Table			
Output Power		See Table			
Output Current		See Table			
No Load Power Consumption				0.5	W
Ripple		See Table			
Transient Response	Maximum excursion of 4% or better on all models. Recovering to 1% of final value within 500uS after a 25% step load change.				
Set Up Time	@Full Load		3000		mS
Hold Up	@Full Load		10		mS
Rise Time	@Full Load		50		mS
Temperature Coefficient	All outputs			±0.04	%/ºC

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
PROTECTION					
Short Circuit Protection	Hiccup Mode	Automatic Recovery			
Over Current Protection		Automatic Recovery			
	Standard Series: Rated output current for primary-referenced direct drive	110			%
	Constant Current Series: Rated output current for secondary-reference direct drive	80		200	%
Over Voltage Protection		Protected by Zener Diode			
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature		0		40	ºC
Storage Temperature		-40		+85	ºC
Relative Humidity	Non-Condensing	5		95	%
Derating	Derated from 100% at +40ºC linearly to 70% at 50ºC				
MTBF	@Full Load, 25ºC ambient	100,000			Hours
GENERAL SPECIFICATIONS					
Efficiency		See Table			
Withstand Voltage	From Input to Output		4242		
Insulation Resistance	From Input to Output	50			MΩ
PHYSICAL SPECIFICATIONS					
Weight		3.53~8.82oz (100~250g)			
Dimensions (L x W x H)		3.54~3.94in x 2.30in x 1.29in (90~100mm x 58.5mm x 32.8mm)			
SAFETY CHARACTERISTICS					
Safety Approvals	UL60950-1[3]; CSA C22.2 EN60950-1 IEC60950-1				
EMC	CE: Emission: EN55022; EN61000-3-2, 3/Immunity: IEC61000-4-2, 3, 4, 5, 6, 11 FCC 47 CFR Part 15 Subpart B ICES-003 Issue 4 ANSI C63.4-2003				Class

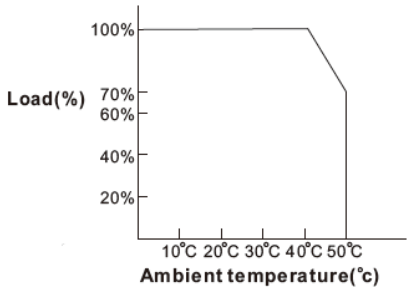
NOTES

1. "X" in model number indicates AC inlet. "X" can either be "A" for IEC-320-C14, "B" for IEC-320-C8, "C" for IEC-320-C6, or "D" for Mains Cord Input. "Y" in model number indicates Mains Cord type. "Y" can either be "U" for American plug or "E" for European plug. "Y" will only change if "X' is selected as "D".
2. Optional output connectors available.
3. This product is Listed to applicable standards and requirements by UL.

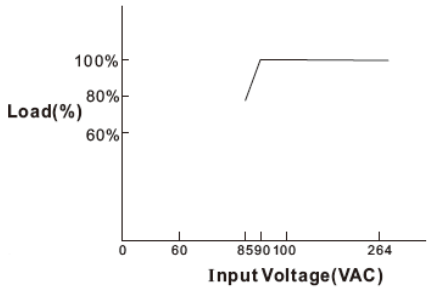
**Due to advances in technology, specifications subject to change without notice.*

DERATING CURVES

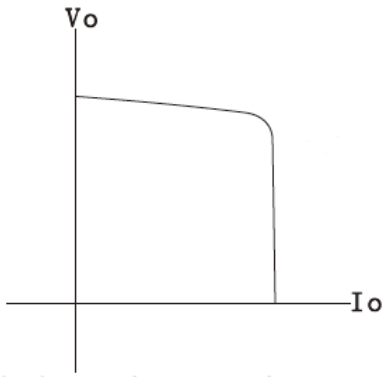
Ambient Temperature Derating



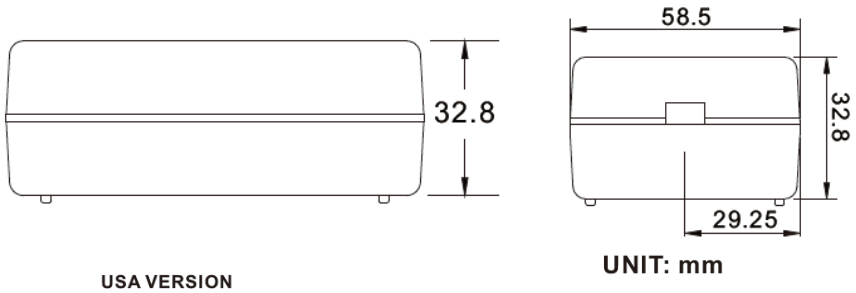
Typical Static Characteristics

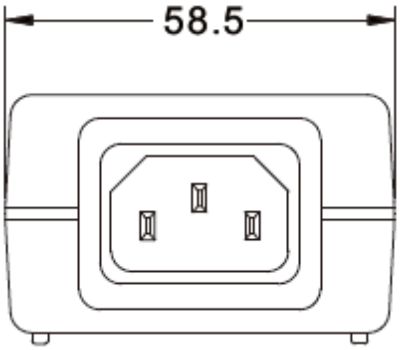


Constant Current Curve

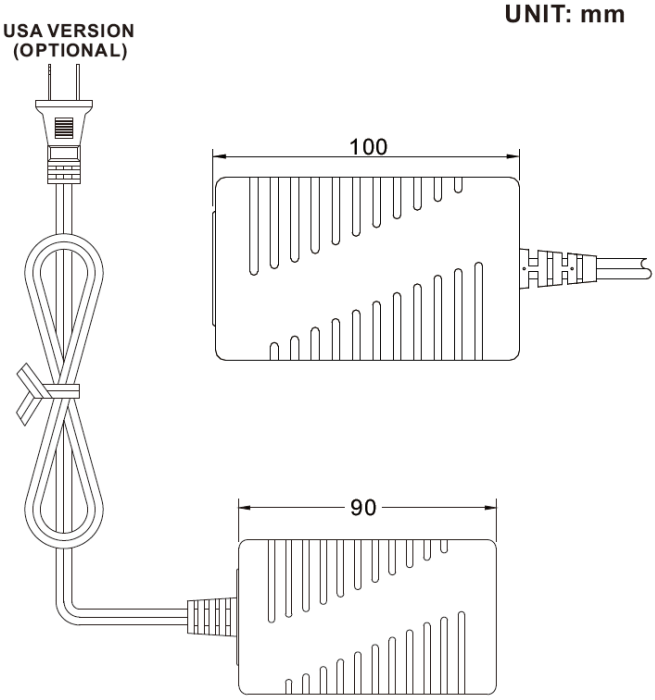


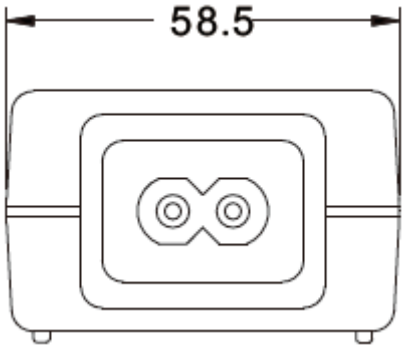
MECHANICAL DRAWINGS



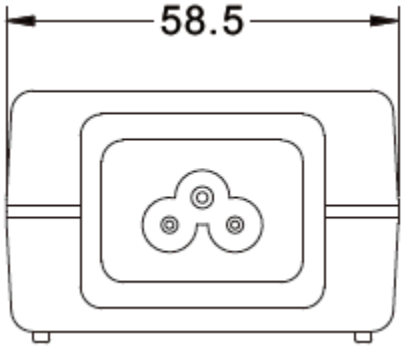


IEC-320-C14





IEC-320-C8



IEC-320-C6

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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