IEC-320-C14

IEC-320-C8 IEC-320-C6

Size: 4.23in x 2.64in x 1.42in (107.5mm x 67mm x 36mm)

FEATURES

- Universal Input Voltage Range of 100~240VAC
- Dual or Triple Outputs
- High Reliability
- Compact Package
- CE Marked
- IEC-320-C14, IEC-320-C8, IEC-320-C6 or MAINS Cord AC Inlets Available
- Short Circuit and Over Voltage Protection
- UL60950-1: CSA C22.2, EN60950-1, IEC60905-1 Safety Approvals

DESCRIPTION

The DTPSU25 series of AC/DC desktop power supplies offers 25 watts of output power in a 4.23" x 2.64" x 1.42" compact package. This series consists of dual or triple outputs with a universal input voltage range of 100~240VAC. There are several options available for this series including AC inlet and DC cord. The AC Inlets available are IEC-320-C14, IEC-320-C8, IEC-320-C6 or MAINS Cord, which can either have USA or European plugs. Each model in this series has high reliability, is CE marked, and has short circuit, over load, and over voltage protection. This series has UL60950-1:CSA C22.2, EN609509-1, and IEC60950-1 safety approvals. Please call factory for order details.

MODEL SELECTION TABLE

Model Number(1)	Input Voltage Range	Output Voltage			Output Current			Output Power
		V1	V2	V3	I1	I2	I3	
DTPSU25X-13Y	100~240VAC	+5VDC	+12VDC	-	2.50A	1.00A	-	25W
DTPSU25X-14Y		+5VDC	+15VDC	-	2.50A	0.80A	-	25W
DTPSU25X-16Y		+5VDC	+24VDC	-	2.50A	0.50A	-	25W
DTPSU25X-13DY		+5VDC	+12VDC	-12VDC	2.50A	0.80A	0.3A	25W
DTPSU25X-14EY		+5VDC	+15VDC	-15VDC	2.50A	0.50A	0.3A	25W
DTPSU25X-13AY		+5VDC	+12VDC	-5VDC	2.50A	0.80A	0.3A	25W

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				0.8	A
Inrush Current	@115VAC, 25ºC, Cold Start		15		A
	@230VAC, 25ºC, Cold Start		30		
Leakage Current	Class I @240VAC, 50Hz		3.5		mA
	Class II @240VAC, 50Hz		0.25		
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Voltage Tolerance			±5		%
Line Regulation	For any input voltage change between input voltage range			±1	%
Load Regulation	Variations from minimum to maximum output current		±5		%
Output Power		See Table			
Output Current		See Table			
Ripple				1	%pk-pk
Hold-Up Time		10			mSec
Temperature Coefficient	All Outputs			±0.04	%/ºC
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.				
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature		0		40	ºC
Storage Temperature		-40		85	ºC
Relative Humidity	Non-Condensing	5		95	%
Derating	Derated from 100% at +30ºC linearly to 70% at 50ºC				
MTBF	@Full Load, 25ºC Ambient	50,000			Hours

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					
Over Load Protection	Provided on outputs set at 112~132% of its nominal output voltage				
Short Circuit Protection			Yes		
GENERAL SPECIFICATIONS					
Efficiency	@Full Output	65			%
Withstand Voltage	From Input to Output		4242		VDC
Insulation Resistance	From Input to Output	50			MΩ
PHYSICAL SPECIFICATIONS					
Weight			10.58~12.35oz (300~350g)		
Dimensions (L x W x H)			4.23in x 2.64in x 1.42in (107.5mm x 67mm x 36mm)		
SAFETY CHARACTERISTICS					
Safety Approvals	UL60950-1(3); CSA C22.2, EN60950-1, and IEC60950-1				
EMI Requirements	CE: Emission: EN55022; EN61000-3-2, 2 Immunity: IEC61000-4-2, 3, 4, 5, 6, 11				

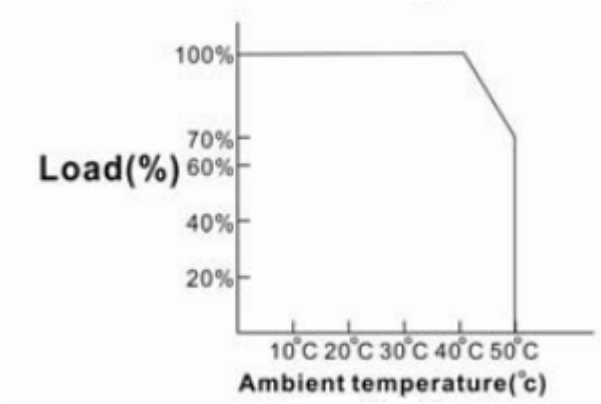
NOTES

1. "X" in the model number represents AC Inlet selection. "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 represents the MAINS Cord input type. "Y" can either be "U" for US plug or "E" for European plug. Y will only change if "X" is indicated as "D" for MAINS Cord input.
2. Optional output connectors are available
3. This product is Listed to applicable standards and requirements by UL.

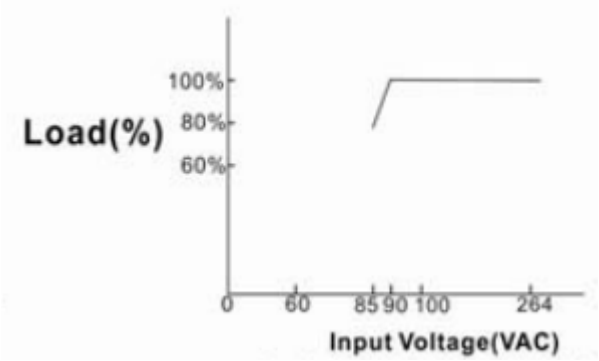
**Due to advances in technology, specifications subject to change without notice.*

DERATING CURVES

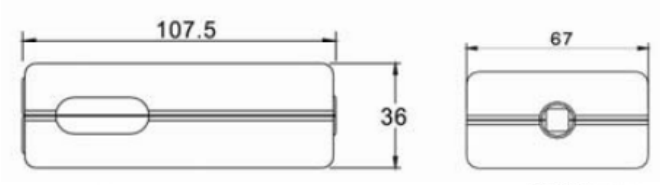
Temperature Derating

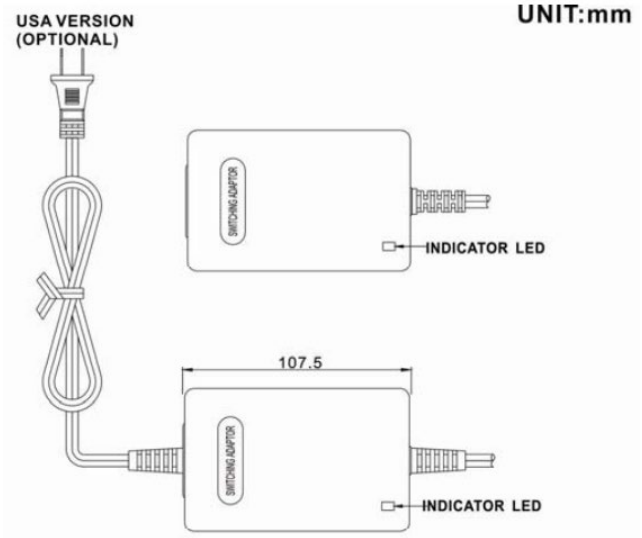


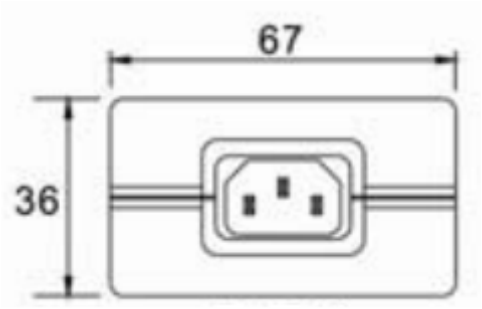
Typical Static Characteristics



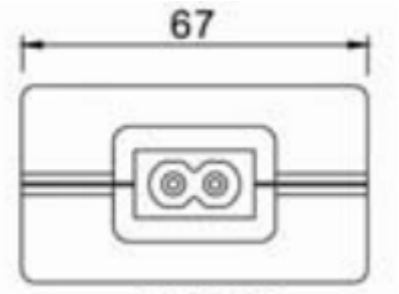
MECHANICAL DRAWINGS



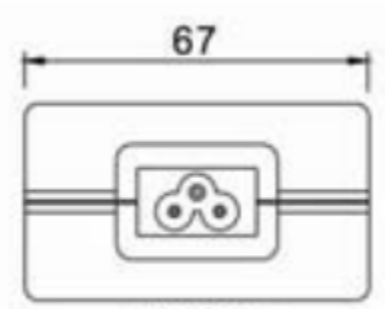




IEC-320-C14



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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