

Type A: IEC-320-C14

Type B: IEC-320-C8

Type C: IEC-320-C6

Type D (U): US Cord

Type D (E): European Cord



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

OPTIONS

- AC Input Inlet
- Cord Type
- Output Connectors

FEATURES

- Universal Input Voltage Range of 100~240VAC
- Meets EISA 2007/DoE (VI)
- Dual and Triple Outputs
- Optional Output Connectors Available
- IEC-320-C14, IEC-320-C8, and IEC-320-C6 AC Input Inlets
- US or European Cord Types Available
- Short Circuit, Over Voltage, and Over Load Protection
- Leakage Current for Class I <3.5mA
- Leakage Current for Class II <0.25mA
- High Efficiency up to 83.34%
- Up to 37.77 Watts Output Power
- UL60950-1; CSA C22.2, EN60950-1, IEC60950-1, and J60950-1 Safety Approvals

DESCRIPTION

The DTGPSN25 series of AC/DC desktop power supplies provides up to 37.77 watts of output power in a 4.23" x 2.64" x 1.42" package. This series consists of both dual and triple output models and a universal input voltage range of 100~240VAC. Three different input inlets are available for this series: IEC-320-C14, IEC-320-C8, and IEC-320-C6, and both US and European cords are also available. The DTGPSN25 series is protected against short circuit, over voltage, and over load conditions and has high efficiency up to 83.34%. This series has UL60950-1; CSA C22.2, EN60950-1, IEC60950-1, and J60950-1 safety approvals. Please call factory for order details.

MODEL SELECTION TABLE

Model Number ⁽¹⁾	Input Voltage Range	Output #1		Output #2		Output #3		Max. Output Power	Avg. Efficiency ⁽³⁾	No Load Power Consumption
		Nom. Voltage	Max. Current	Nom. Voltage	Max. Current	Nom. Voltage	Max. Current			
DTGPSN25x-13	100~240VAC	5V	2.5A	12V	1.5A	-	-	30.5W	81.73%	<0.3W
DTGPSN25x-14		5V	2.5A	15V	1.2A	-	-	30.5W	81.73%	
DTGPSN25x-16		5V	2.5A	24V	0.8A	-	-	31.7W	82.02%	
DTGPSN25x-13A		5V	2.5A	12V	1.2A	-5V	0.3A	28.1W	81.12%	
DTGPSN25x-14A		5V	2.5A	15V	1A	-5V	0.3A	29W	81.35%	
DTGPSN25x-13D		5V	2.5A	12V	1A	-12V	0.3A	29W	81.35%	
DTGPSN25x-14E		5V	2.5A	15V	0.8A	-15V	0.3A	28.4W	81.20%	
DTGPSN25x-58F		16~21V	1.05~0.8A	48~58V	87~72mA	-16~-21V	1.05~0.8A	37.77W	83.34%	

MAIN CORD INPUT MODEL SELECTION TABLE

Model Number ⁽²⁾	Input Voltage Range	Output #1		Output #2		Output #3		Max. Output Power	Avg. Efficiency ⁽³⁾	No Load Power Consumption
		Nom. Voltage	Max. Current	Nom. Voltage	Max. Current	Nom. Voltage	Max. Current			
DTGPSN25D-13Y	100~240VAC	5V	2.5A	12V	1.5A	-	-	30.5W	81.73%	<0.3W
DTGPSN25D-14Y		5V	2.5A	15V	1.2A	-	-	30.5W	81.73%	
DTGPSN25D-16Y		5V	2.5A	24V	0.8A	-	-	31.7W	82.02%	
DTGPSN25D-13AY		5V	2.5A	12V	1.2A	-5V	0.3A	28.1W	81.12%	
DTGPSN25D-14AY		5V	2.5A	15V	1A	-5V	0.3A	29W	81.35%	
DTGPSN25D-13DY		5V	2.5A	12V	1A	-12V	0.3A	29W	81.35%	
DTGPSN25D-14EY		5V	2.5A	15V	0.8A	-15V	0.3A	28.4W	81.20%	
DTGPSN25D-58FY		16~21V	1.05~0.8A	48~58V	87~72mA	-16~-21V	1.05~0.8A	37.77W	83.34%	

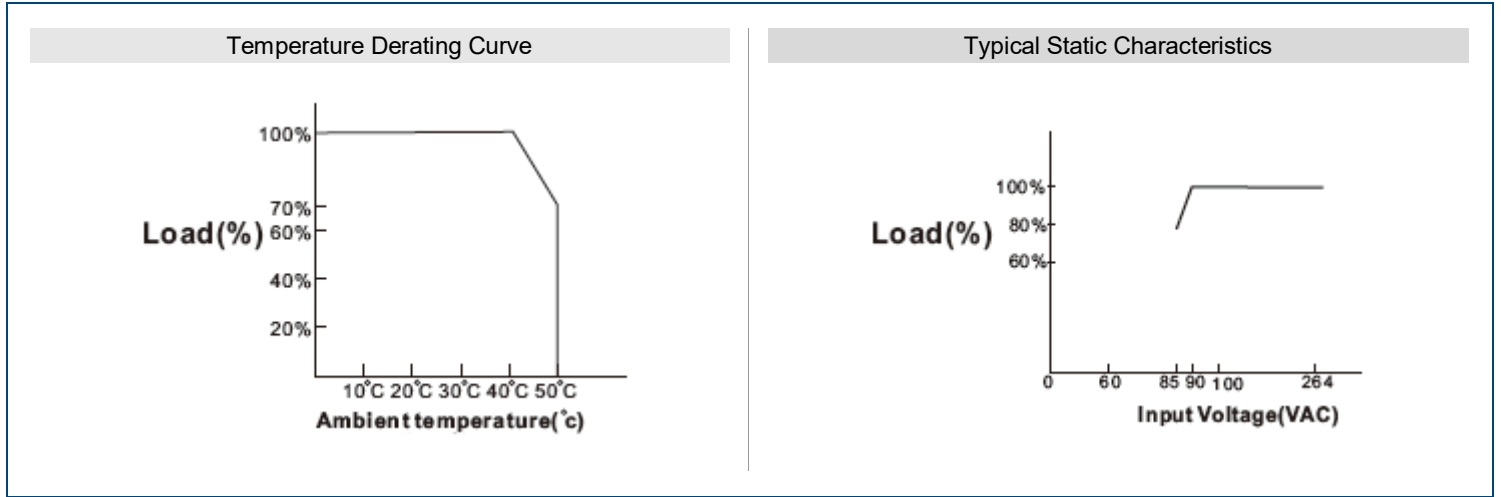
SPECIFICATIONS					
All specifications are based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted. We reserve the right to change specifications based on technological advances.					
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
INPUT SPECIFICATIONS					
Input Voltage Range		100		240	VAC
Input Frequency		50		60	Hz
Input Current				0.8	A
Inrush Current	@115VAC, 25°C Cold Start			65	A
	@230VAC, 25°C Cold Start			95	
Leakage Current	@240VAC/50Hz	Class I		3.5	mA
		Class II		0.25	
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
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 & Noise (Peak to Peak)				1	%
Transient Response	Maximum excursion of 4% of better on all models. Recovering to 1% of final value within 500uS after a 25% step load change				
Hold-Up Time	@115VAC	10			mS
Temperature Coefficient	All outputs			±0.04	%/°C
PROTECTION					
Short Circuit Protection		Yes			
Over Voltage Protection	Protected by Zener Diode				
	Rated Output Voltage (Output voltage 1 only)	110		140	%
Over Load Protection	Hiccup Mode	Automatic Recovery			
	Rated Output Current	110			%
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature ⁽⁴⁾		-20		70	°C
Storage Temperature		-40		85	°C
Relative Humidity	Non-Condensing	5		95	%
Derating	Derated from 100% at +30°C linearly to 70% at 50°C				
MTBF	@Full Load at 25°C ambient	50,000			hours
GENERAL SPECIFICATIONS					
Efficiency		See Table			
Insulation Resistance	From input to output	50			MΩ
Withstand Voltage	From input to output		4242		VDC
PHYSICAL SPECIFICATIONS					
Weight		11.29~14.82oz (320-420g)			
Dimensions (L x W x H)		4.23in x 2.64in x 1.42in (107.5mm x 67mm x 36mm)			
SAFETY & EMC CHARACTERISTICS					
Safety Approvals	UL60950-1 ⁽⁷⁾ ; CSA C22.2, EN60950-1, IEC60950-1, J60950-1 FCC, CE, TUV EN60950-1: 2006+A11+A1+A12+A2, CE: Emission: EN55022				
EMC	EN61000-3-2,3/Immunity: IEC61000-4-2,3,4,5,6,11 FCC 47 CFR Part 15 Subpart B				

NOTES

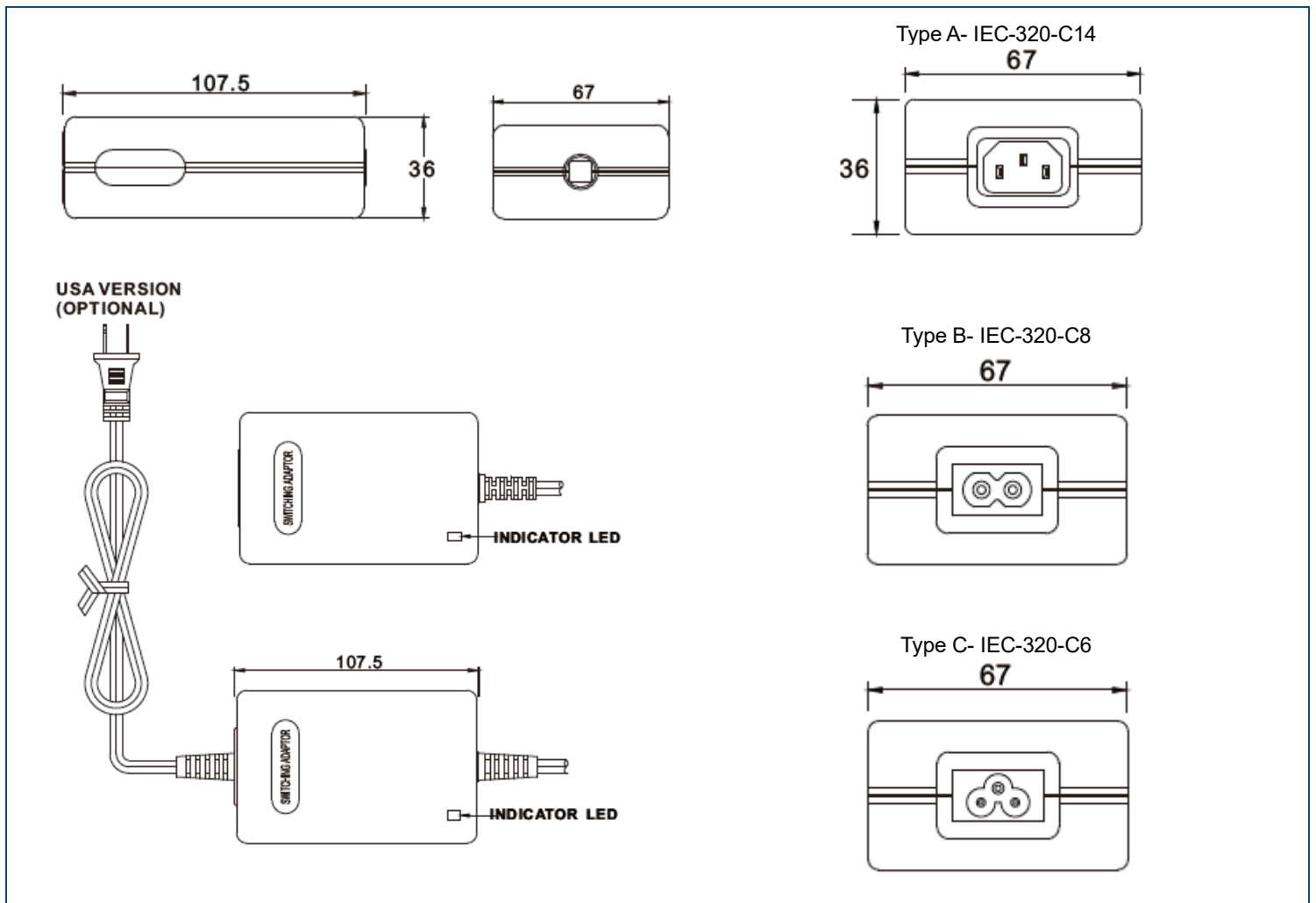
- (1) "x" in model number represents the AC input inlet. "x" can either be "A" for IEC-320-C14, "B" for IEC-320-C8, or "C" for IEC-320-C6.
- (2) "y" in the "D" models stands for cord type. "y" can either be "U" for US cord or "E" for European cord.
- (3) Avg. Efficiency averages the efficiency at 25, 50, 75, and 100% of max. rated output current.
- (4) Safety approval 0 to 40°C.
- (5) Standard Output Cable: UL2464, 5FT
- (6) Optional output connectors available.
- (7) 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

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