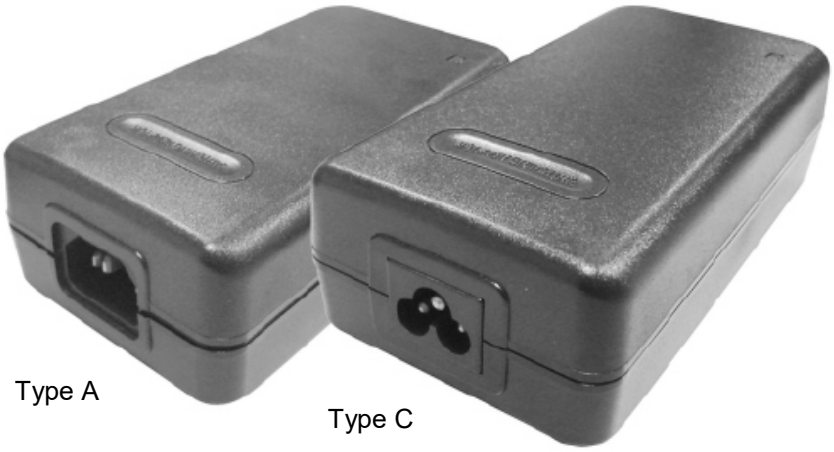


Size: 5.75in x 2.97in x 1.69in (146mm x 75.5mm x 43mm)

OPTIONS
- Output Connectors
- Output Voltage
- Input Inlet

APPLICATIONS
- PC
- Charger

FEATURES
- Universal Input Voltage of 100~240VAC
- Meets Energy Star Level VI
- Single Outputs
- Low Leakage Current
- Short Circuit, Over Voltage, and Over Current Protection
- UL: 60950-1; CSA C22.2, EN60950-1, IEC60905-1, and J60950-1 Safety Approvals
- Output Voltage Ranging from 11~58VDC
- High Efficiency of 87%

DESCRIPTION
The DTGPSU70 series of AC DC desktop power supplies provides up to 70 watts of output power. This series consists of single output models ranging from 11 to 58VDC and an input voltage of 100~240VAC. Two types of input inlets are available for this series: C14 or C6. Each model has short circuit, over voltage, and over current protection, and has UL: 60950-1; CSA C22.2, EN60950-1, IEC60905-1 and J60950-1 safety approvals. This series is Energy Star Level VI compliant. Please call factory for ordering details.

MODEL SELECTION TABLE

Model Number(1)	Input Voltage Range	Output Voltage	Output Current	Max. Output Power	Ripple Max.	Efficiency(2)	Energy Level(3)	Measured at Output
DTGPSU70A-3	100~240VAC	11~13VDC	6.37~5.39A	70W	120mV	87%	VI	12
DTGPSU70A-4		13~16VDC	5.39~4.38A	70W	120mV	87%	VI	15
DTGPSU70A-5		16~21VDC	4.38~3.34A	70W	180mV	87%	VI	18
DTGPSU70A-6		21~27VDC	3.34~2.60A	70W	180mV	87%	VI	24
DTGPSU70A-7		27~33VDC	2.60~2.13A	70W	240mV	87%	VI	32
DTGPSU70A-8		33~58VDC	2.13~1.22A	70W	240mV	87%	VI	48
DTGPSU70C-3	100~240VAC	11~13VDC	6.37~5.39A	70W	120mV	87%	VI	12
DTGPSU70C-4		13~16VDC	5.39~4.38A	70W	120mV	87%	VI	15
DTGPSU70C-5		16~21VDC	4.38~3.34A	70W	180mV	87%	VI	18
DTGPSU70C-6		21~27VDC	3.34~2.60A	70W	180mV	87%	VI	24
DTGPSU70C-7		27~33VDC	2.60~2.13A	70W	240mV	87%	VI	32
DTGPSU70C-8		33~58VDC	2.13~1.22A	70W	240mV	87%	VI	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		1.8		0.8	A
Leakage Current				0.1	mA
Inrush Current	@230VAC at 25ºC cold start		100		A
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Line Regulation	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 (20MHz bandwidth)		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.				
Hold-Up Time		8			mS
Temperature Coefficient	All Outputs			±0.04	%/ºC
PROTECTION					
Short Circuit Protection		Hiccup Mode, Automatic Recovery			
Over Voltage Protection	Protected by Zener diode.	110		140	%
Over Current Protection	Hiccup Mode, Automatic Recovery	110			%
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature		-20		40	ºC
Storage Temperature		-40		85	ºC
Relative Humidity	Non-Condensing	5		95	%
MTBF	@Full Load at 25ºC ambient	100,000			Hours
GENERAL SPECIFICATIONS					
Efficiency		See Table			
Insulation Resistance	From Input to Output	50			MΩ
Withstand Voltage	From Input to Output		4242		VDC
Derating	Derated from 100% at +40ºC linearly to 50% at 70ºC				
PHYSICAL SPECIFICATIONS					
Weight		13.05~13.23oz (370~375g)			
Dimensions (L x W x H)		5.75in x 2.97in x 1.69in (146mm x 75.5mm x 43mm)			
SAFETY & EMC CHARACTERISTICS					
Safety Approvals	UL: 60950-1(5); CSA C22.2 EN60950-1 IEC60905-1 J60950-1				
EMC	CE: Emission: EN55022; EN61000-3-2,3 Immunity: IEC61000-4-2,3,4,5,6,11 FCC 47 CFE Part 15 Subpart B				

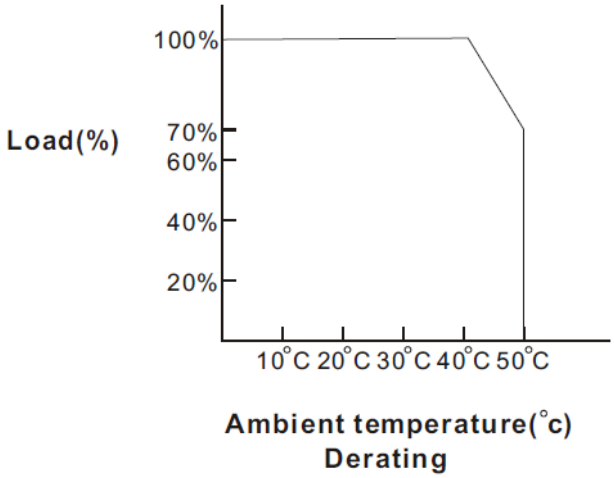
NOTES

(1) "A" in model name indicates Type A inlet: C14, and "C" in model name indicates Type C inlet: C6.
(2) Average Efficiency: Averages the efficiency at 25, 50, 75, 100% of max. rated output current
(3) Standard Output Cable:
11~16V: UL1571, 14AWG, 1M
16~21V: UL1571, 16AWG, 1M
21~48V: SPT-1, 18AWG, 6FT
(4) Optional output connectors available.
(5) This product is Listed to applicable standards and requirements by UL.

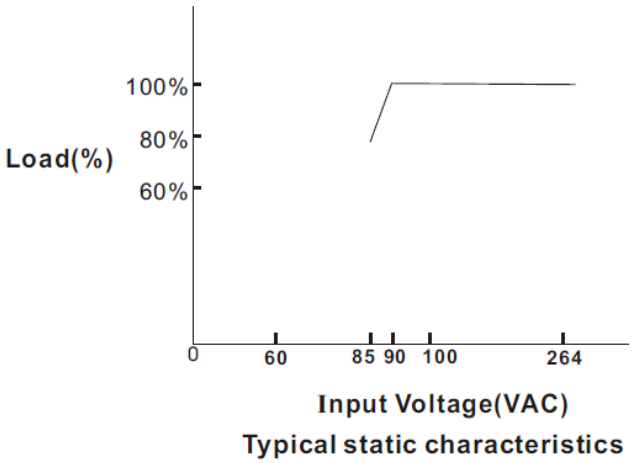
**Due to advances in technology, specifications subject to change without notice.*

DERATING CURVES

Ambient Temperature



Typical Static Characteristics



MECHANICAL DRAWINGS

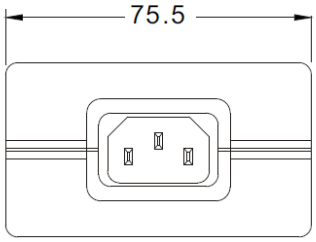


FIG 1

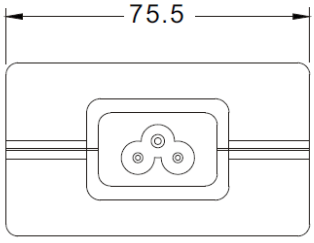
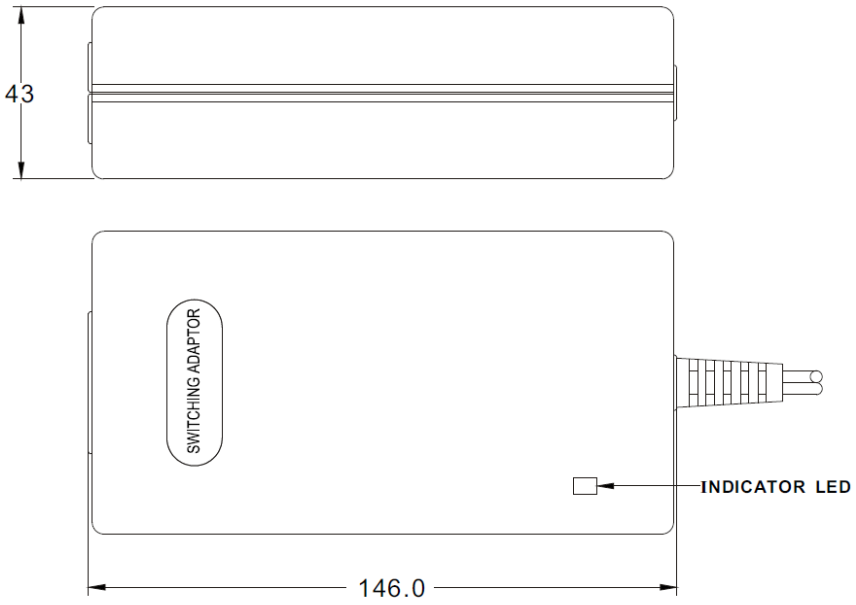


FIG 2



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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