

"A" Type



Size: 4.72 x 2.00 x 1.34 inches

"B" Type



Size: 4.72 x 2.00 x 1.34 inches

"C" Type



Size: 4.72 x 2.00 x 1.34 inches

FEATURES

- Class II
- RoHS Compliant
- 40~60 Watts Output Power
- Single Outputs
- Very Low Standby Power
- MTBF: 50,000 Hours
- 100-240VAC Input Voltage Range
- CEC / Energy Star Level V Compliant
- Output Voltage, Over Current, & Short Circuit Protection
- IEC-320-C14, IEC-320-C8 & IEC-320-C6 AC Inlets Available
- Several Output Connector Options Available
- UL/cUL, FCC, CE, GS, SAA, C-Tick, CB, & EUP Safety Approvals

DESCRIPTION

The DTCGSW60 series of class II AC/DC desktop power supplies provides up to 60 Watts of output power in a 4.72" x 2.00" x 1.34" package. This series consists of single output models ranging from 5V to 36VDC with a 100~240VAC input voltage range. These supplies are RoHS compliant and are protected against over voltage, over current, and short circuit conditions. The DTCGSW60 series is CEC and Energy Star Level V compliant and has UL/cUL, FCC, CE, GS, SAA, C-Tick, CB, and EUP safety approvals. IEC-320-C14, IEC-320-C8, and IEC-320-C6 AC inlet types are available for this series.

MODEL SELECTION TABLE

Model Number	Input Voltage Range	Output Voltage	Output Current	Ripple & Noise ⁽¹⁾	Output Power	AC Inlet
DTCGSW4005A	100 ~ 240 VAC	5 VDC	8A	50mVp-p	40W	IEC-320-C14
DTCGSW5675A		7.5 VDC	7.5A	50mVp-p	56.3W	
DTCGSW5409A		9 VDC	6A	100mVp-p	54W	
DTCGSW6012A		12 VDC	5A	100mVp-p	60W	
DTCGSW5614A		14 VDC	4A	100mVp-p	56W	
DTCGSW6015A		15 VDC	4A	100mVp-p	60W	
DTCGSW5719A		19 VDC	3A	100mVp-p	57W	
DTCGSW6024A		24 VDC	2.5A	100mVp-p	60W	
DTCGSW5436A		36 VDC	1.5A	150mVp-p	54W	
DTCGSW4005B		100 ~ 240 VAC	5 VDC	8A	50mVp-p	
DTCGSW5675B	7.5 VDC		7.5A	50mVp-p	56.3W	
DTCGSW5409B	9 VDC		6A	100mVp-p	54W	
DTCGSW6012B	12 VDC		5A	100mVp-p	60W	
DTCGSW5614B	14 VDC		4A	100mVp-p	56W	
DTCGSW6015B	15 VDC		4A	100mVp-p	60W	
DTCGSW5719B	19 VDC		3A	100mVp-p	57W	
DTCGSW6024B	24 VDC		2.5A	100mVp-p	60W	
DTCGSW5436B	36 VDC		1.5A	150mVp-p	54W	
DTCGSW4005C	100 ~ 240 VAC		5 VDC	8A	50mVp-p	40W
DTCGSW5675C		7.5 VDC	7.5A	50mVp-p	56.3W	
DTCGSW5409C		9 VDC	6A	100mVp-p	54W	
DTCGSW6012C		12 VDC	5A	100mVp-p	60W	
DTCGSW5614C		14 VDC	4A	100mVp-p	56W	
DTCGSW6015C		15 VDC	4A	100mVp-p	60W	
DTCGSW5719C		19 VDC	3A	100mVp-p	57W	
DTCGSW6024C		24 VDC	2.5A	100mVp-p	60W	
DTCGSW5436C		36 VDC	1.5A	150mVp-p	54W	

NOTES

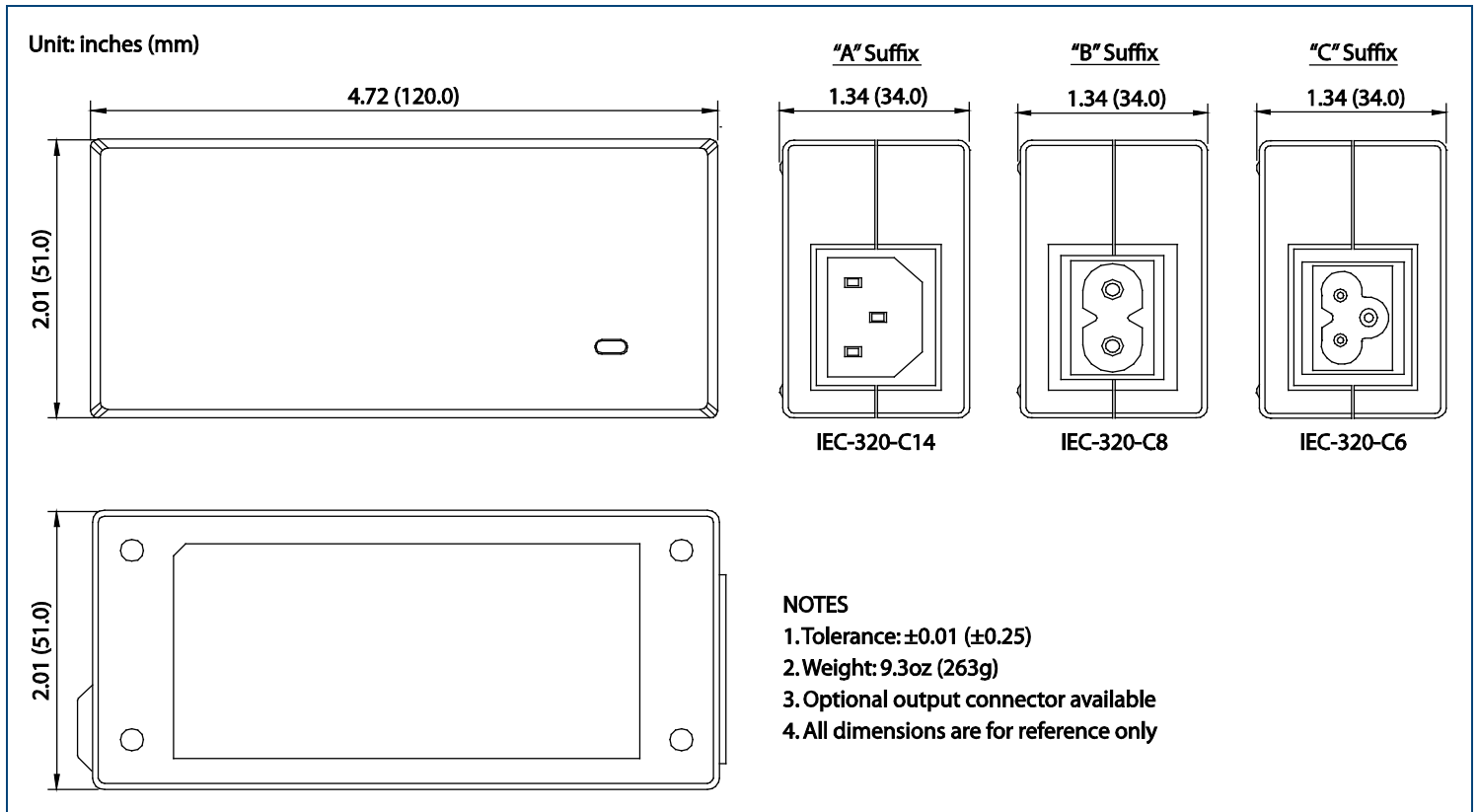
1. Ripple and noise is measured at 20MHz limited bandwidth with 0.1µF ceramic and 10µF electrolytic capacitors across the output
 2. Several output connector options available. Please call factory for ordering details.
 3. This product is Listed to applicable standards and requirements by UL.
- *Due to advances in technology, specifications subject to change without notice.*

SPECIFICATIONS: DTCGSW60 SERIES

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	Rated input voltage range	100	115/230	240	VAC
Input Frequency		47	50/60	63	Hz
Input Current	90VAC/60Hz and full load			1.5	A
Inrush Current	100VAC and full load			30	A
	240VAC and full load			75	
Stand-by Power	230VAC/50Hz and no load			0.3	W
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Line Regulation		-1		+1	%
Load Regulation		-5		+5	%
Output Power		See Table			
Output Current		See Table			
Minimum Load		0			mA
Ripple & Noise		See Table			
Hold-Up Time	100VAC/60Hz and full load	10			ms
Turn-on Time	100VAC/60Hz and full load			1	s
PROTECTION					
Over Voltage Protection		Output voltage clamped by Zener diode			
Over Current Protection		Output shut-down; Automatic recovery			
Short Circuit Protection		Output shut-down; Automatic recovery			
GENERAL SPECIFICATIONS					
Efficiency		Meets CEC-V / ERP			
Switching Frequency			65		KHz
Dielectric Withstand Voltage	10mA / 60 sec	1500			VAC
Insulation (input to output)	500VDC	10			MΩ
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature		0		+40	°C
Storage Temperature		-20		+60	°C
Operating Humidity		5		95	% RH
Cooling		Free air convection			
MTBF	@ 25°C (MIL-HDBK-217F)	50,000 hours			
PHYSICAL SPECIFICATIONS					
Dimensions (L x W x H)		4.72 x 2.00 x 1.34 inches (120.0 x 51.0 x 34.0 mm)			
Weight		9.3oz (263g)			
AC Inlet	"A" Suffix	IEC-320-C14			
	"B" Suffix	IEC-320-C8			
	"C" Suffix	IEC-320-C6			
Output Connector		Contact factory for options			
SAFETY & COMPLIANCE					
Safety Approvals		UL/cUL ⁽³⁾ , FCC, CE, GS, SAA, C-Tick, CB, and EUP			
Compliance		RoHS and CEC/Energy Star Level V compliant			

MECHANICAL DRAWING



MODEL NUMBER SETUP

DTCGSW	60	24	A
Series Name	Output Power	Output Voltage	AC Inlet Connector Type
	40: 40 Watts	05: 5 VDC	A: IEC-320-C14
	54: 54 Watts	75: 7.5 VDC	B: IEC-320-C8
	56: 56 Watts 56.3 Watts	09: 9 VDC	C: IEC-320-C6
	57: 57 Watts	12: 12 VDC	
	60: 60 Watts	14: 14 VDC	
		15: 15 VDC	
		19: 19 VDC	
		24: 24 VDC	
		36: 36 VDC	

Note: Several output connector options are available. Please contact factory for ordering details.

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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