

"A" Type



Size: 4.57 x 1.87 x 1.30 inches

"B" Type



Size: 4.57 x 1.87 x 1.30 inches

"C" Type



Size: 4.57 x 1.87 x 1.30 inches

## FEATURES

- RoHS Compliant
- CEC / Energy Star Level V Compliant
- 22.5~43.2W Output Power
- 100-240VAC Input Voltage Range
- Single Outputs
- Output Voltage, Over Current, & Short Circuit Protection
- Free Air Convection Cooling
- IEC-320-C14, IEC-320-C8, & IEC-320-C6 AC Inlets Available
- Several Output Connector Options Available
- MTBF: 50,000 Hours
- UL/cUL, FCC, CE, GS, PSE, SAA, C-Tick, CB, EUP, & CCC Approvals
- Very Low Standby Power

## DESCRIPTION

The DTCGSW48 series of AC/DC desktop power supplies provides up to 43.2 Watts of output power in a 4.57" x 1.87" x 1.30" 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 DTCGSW48 series is CEC and Energy Star Level V compliant and has UL/cUL, FCC, CE, GS, PSE, SAA, C-Tick, CB, EUP, and CCC 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 <sup>(1)</sup>	Output Power	AC Inlet
DTCGSW2205A	100 ~ 240 VAC	5 VDC	4.5A	50mVp-p	22.5W	IEC-320-C14
DTCGSW3075A		7.5 VDC	4A	50mVp-p	30W	
DTCGSW3109A		9 VDC	3.5A	100mVp-p	31.5W	
DTCGSW3612A		12 VDC	3A	100mVp-p	36W	
DTCGSW3514A		14 VDC	2.5A	100mVp-p	35W	
DTCGSW3615A		15 VDC	2.4A	100mVp-p	36W	
DTCGSW2819A		19 VDC	1.5A	100mVp-p	28.5W	
DTCGSW3624A		24 VDC	1.5A	100mVp-p	36W	
DTCGSW4336A		36 VDC	1.2A	150mVp-p	43.2W	
DTCGSW2205B	100 ~ 240 VAC	5 VDC	4.5A	50mVp-p	22.5W	IEC-320-C8
DTCGSW3075B		7.5 VDC	4A	50mVp-p	30W	
DTCGSW3109B		9 VDC	3.5A	100mVp-p	31.5W	
DTCGSW3612B		12 VDC	3A	100mVp-p	36W	
DTCGSW3514B		14 VDC	2.5A	100mVp-p	35W	
DTCGSW3615B		15 VDC	2.4A	100mVp-p	36W	
DTCGSW2819B		19 VDC	1.5A	100mVp-p	28.5W	
DTCGSW3624B		24 VDC	1.5A	100mVp-p	36W	
DTCGSW4336B		36 VDC	1.2A	150mVp-p	43.2W	
DTCGSW2205C	100 ~ 240 VAC	5 VDC	4.5A	50mVp-p	22.5W	IEC-320-C6
DTCGSW3075C		7.5 VDC	4A	50mVp-p	30W	
DTCGSW3109C		9 VDC	3.5A	100mVp-p	31.5W	
DTCGSW3612C		12 VDC	3A	100mVp-p	36W	
DTCGSW3514C		14 VDC	2.5A	100mVp-p	35W	
DTCGSW3615C		15 VDC	2.4A	100mVp-p	36W	
DTCGSW2819C		19 VDC	1.5A	100mVp-p	28.5W	
DTCGSW3624C		24 VDC	1.5A	100mVp-p	36W	
DTCGSW4336C		36 VDC	1.2A	150mVp-p	43.2W	

### 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.

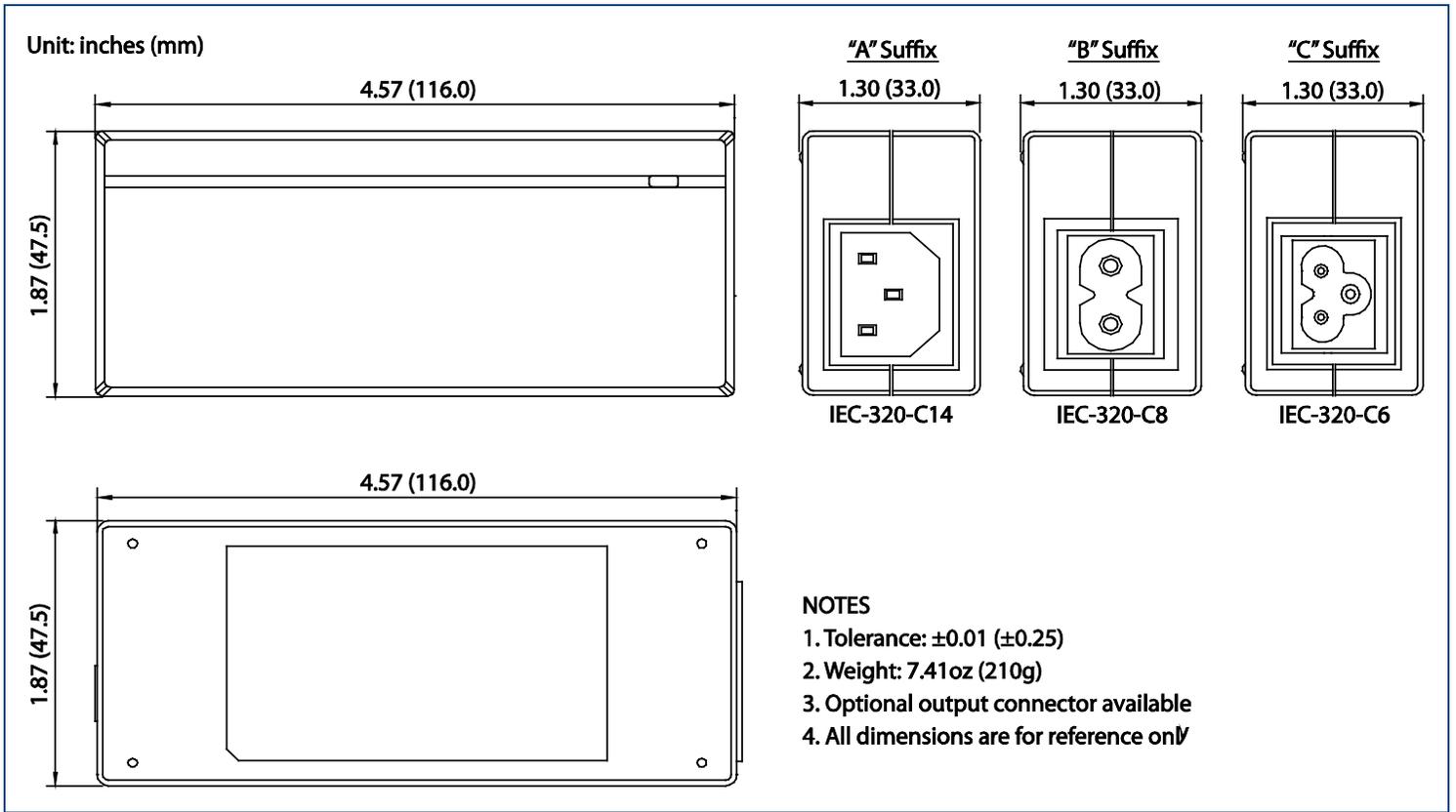
*\*Due to advances in technology, specifications subject to change without notice.*

**SPECIFICATIONS: DTCGSW48 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
<b>INPUT SPECIFICATIONS</b>					
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
<b>OUTPUT SPECIFICATIONS</b>					
Output Voltage		See Table			
Voltage Tolerance		-5		+5	%
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			3	s
<b>PROTECTION</b>					
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			
<b>GENERAL SPECIFICATIONS</b>					
Efficiency		Meets CEC-V / ERP			
Switching Frequency			65		KHz
Dielectric Withstand Voltage	10mA / 60 sec	3000			VAC
Insulation (input to output)	500VDC	10			MΩ
<b>ENVIRONMENTAL SPECIFICATIONS</b>					
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			
<b>PHYSICAL SPECIFICATIONS</b>					
Dimensions (L x W x H)		4.57 x 1.87 x 1.30 inches (116.0 x 47.5 x 33.0 mm)			
Weight		Approximately 7.41oz (210g)			
AC Inlet	"A" Suffix	IEC-320-C14			
	"B" Suffix	IEC-320-C8			
	"C" Suffix	IEC-320-C6			
Output Connector		Optional output connectors available			
<b>SAFETY &amp; COMPLIANCE</b>					
Safety Approvals		UL/cUL <sup>(3)</sup> , FCC, CE, GS, PSE, SAA, C-Tick, CB, EUP, and CCC			
Compliance		RoHS and CEC/Energy Star Level V compliant			

MECHANICAL DRAWING



MODEL NUMBER SETUP

DTCGSW	36	24	A
Series Name	Output Power	Output Voltage	AC Inlet Connector Type
	<b>22:</b> 22.5 Watts	<b>05:</b> 5 VDC	<b>A:</b> IEC-320-C14
	<b>28:</b> 28.5 Watts	<b>75:</b> 7.5 VDC	<b>B:</b> IEC-320-C8
	<b>30:</b> 30 Watts	<b>09:</b> 9 VDC	<b>C:</b> IEC-320-C6
	<b>31:</b> 31.5 Watts	<b>12:</b> 12 VDC	
	<b>35:</b> 35 Watts	<b>14:</b> 14 VDC	
	<b>36:</b> 36 Watts	<b>15:</b> 15 VDC	
	<b>43:</b> 43.2 Watts	<b>19:</b> 19 VDC	
		<b>24:</b> 24 VDC	
		<b>36:</b> 36 VDC	

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

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## 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.

Contact **Wall Industries** for further information:

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