CSW SERIES | INVERTER

COMPACT SINE WAVE ON THE GO

Introduction

The CSW Series Inverter is a pure sine wave inverter designed to be powerful, yet simple to operate. The CSW will provide you with reliable AC power for troublefree use.

Features

- Compact and Lightweight – The CSW provides pure sine wave power from a small footprint designed to fit in tight vehicle and marine spaces. And it is lightweight, so won't weigh you down.
- At-a-Glance Status – The inverter's status can be determined at a glance with the easy-to-read LED light.
- Digital Display* – The alphanumeric display shows the inverter's battery voltage, total AC output power, along with additional operation codes. (*not available on the CSW412)
- USB Port – Power and charge your USB-enabled device with the available USB port.
- GFCI AC Outlet – Plug in two pieces of equipment directly to the CSW and know that the GFCI outlet will quickly stop the flow of electricity should a ground fault occur. The outlet also comes with an LED indicator and test/reset capability.
- Automatic Transfer Switch Option – The CSW2012-X automatically switches between shore power and inverter/battery power.

Options

- Remote Switch – Use the optional CSW-RS remote switch for even easier on/off access away from the inverter. The CSW-RS comes with a 20' cable.
- Transfer Switch – Use the optional 15 amp CSW-TS15 transfer switch to automatically switch AC load connections between utility/generator power and the AC output of the CSW1012 inverter.

Model Numbers

- CSW412
- CSW1012
- CSW2012
- CSW2012-X

Available For

- Emergency Medical Services
- Marine Systems
- Military Vehicles
- RV Systems
- Trucks
- Utility Vehicles

Available Accessories

- Remote Switch [CSW-RS]
- Transfer Switch [CSW-TS15]

Pure Sine Wave

12 Battery Voltage Options

400-2000 VA Continuous Output Options

SPECIFICATIONS




	CSW412	CSW1012	CSW2012	CSW2012-X
INVERTER SPECIFICATIONS - OUTPUT				
Continuous power at nominal DC voltage	400 watts	1000 watts	2000 watts	2000 watts
Peak surge power	800 watts	2000 watts	4000 watts	4000 watts
10 sec surge power	400 - 550 watts	1000 - 1500 watts	2000-3000 watts	2000-3000 watts
1 sec surge power	550-800 watts	1500 - 2000 watts	3000-4000 watts	3000-4000 watts
200 msec surge power	> 800 watts	> 2000 watts	> 4000 watts	> 4000 watts
AC output voltage at 12.5 VDC	120 VAC ± 5%	120 VAC ± 5%	120 VAC ± 5%	120 VAC ± 5%
AC ouput current	3.3 AAC	8.3 AAC	16.6 AAC	16.6 AAC
AC output voltage range	104 - 127 VAC	104 - 127 VAC	104 - 127 VAC	104 - 127 VAC
AC output frequency	60 Hz ± 0.5 Hz	60 Hz ± 0.5 Hz	60 Hz ± 0.5 Hz	60 Hz ± 0.5 Hz
AC output waveform	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave
Total harmonic distortion [THD]	< 3%	< 3%	< 3%	< 3%
Transfer Time	NA	NA	NA	< 30 ms
USB	5 V, 750 mA	5 V, 750 mA	5V, 2.1 A	5V, 2.1 A
INVERTER SPECIFICATIONS - INPUT				
Nominal DC input voltage	12.5 VDC	12.5 VDC	12.5 VDC	12.5 VDC
DC input voltage range	10.5 - 15.5 VDC	10.5 - 15.5 VDC	10.5 - 15.5 VDC	10.5 - 15.5 VDC
Input current	38 DCA	94 DCA	187 DCA	193 DCA
No load draw	< 0.8 ADC	< 1.2 ADC	< 1.2 ADC	< 1.5 ADC
Optimum efficiency	> 90%	> 90%	> 90%	> 90%
High voltage shutdown	15.5 VDC	15.5 VDC	15.5 VDC	15.5 VDC
Low voltage alarm	11.0 VDC, audible	11.2 VDC, audible	11.2 VDC, audible	11.2 VDC, audible
Low voltage shutdown	10.5 VDC	10.5 VDC, Recover at 11.8 VDC	10.5 VDC	10.5 VDC
GENERAL FEATURES AND CAPABILITIES				
Transfer relay capability	NA	NA	NA	30 AAC
Display status indictator	LED: Power, Fault	Green, amber, red	LED: Status	LED: Status, Display
Digital display	None	Input voltage/current, output power	Input voltage, output power, warning, and error code	Input voltage, output power, warning, and error code
AC receptacles	NEMA 5-15 [GFCI]	NEMA 5-15 [GFCI]	NEMA 5-20 [GFCI]	NEMA 5-20 [GFCI]
Listings	Conforms to UL458, Certified to CSA C22.2 No. 107.1, meets FCC Class B			
Warranty	One year	One year	One year	One year

PHYSICAL SPECIFICATIONS				
Dimensions (L x W x H)	6.9" x 7.9" x 3.4" [17.5cm x 20.1cm x 8.6cm]	12.63" x 7.0" x 3.5" [32.1cm x 17.8cm x 8.9cm]	16.3" x 9.1" x 4.3" [41.4cm x 23.1cm x 10.9cm]	17" x 9" x 4.5" [43.2cm x 22.9cm x 11.4cm]
Shipping dimensions (L x W x H)	7.9" x 6.9" x 3.5" [20.1cm x 17.5cm x 8.9cm]	15.5" x 8.75" x 5.63" [39.2cm x 22.3cm x 14.3cm]	19" x 11.3" x 6.7" [48.3cm x 28.7cm x 17cm]	19" x 11.3" x 6.7" [48.3cm x 28.7cm x 17cm]
Mounting	Shelf [top or bottom up] or bulkhead			
Weight	3.8 lb [1.7 kg]	6.6 lb [3.0 kg]	11.5 lb [5.2 kg]	13.0 lb [5.9 kg]
Shipping weight	4 lb [1.8 kg]	7.5 lb [3.4 kg]	13 lb [5.9 kg]	14.1 lb [31 kg]
Operating temperature	-0°C to +40°C [32°F to 104°F]			
Nonoperating temperature	-20°C to +60°C [-4°F to 140°F]			
Operating humidity	0 to 90% RH non condensing			
Max operating altitude	9843' [3000 m] above sea level			

GENERAL NOTES

Testing for specifications at 25°C.
Specifications subject to change without notice.

AGENCY APPROVALS & CERTIFICATIONS

- Conforms to UL458, Certified to CSA C22.2 No. 107.1, meets FCC Class B

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