

# CSW-24 SERIES | INVERTER

## 24V SINE WAVE ON THE GO

### Introduction

The Magnum-Dimensions CSW-24 Series inverter from Sensata Technologies 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 it 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.
- 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.

### 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.

### Model Numbers

- CSW2024

### Available For

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

### Available Accessories

- Remote Switch (CSW-RS)



Pure Sine Wave



Battery Voltage Options



Continuous Output Options



## SPECIFICATIONS

<b>CSW2024</b>	
<b>INVERTER SPECIFICATIONS - OUTPUT</b>	
Continuous power at nominal DC voltage	2000 watts
Peak surge power	4000 watts
AC output voltage at 24.0 VDC	120 VAC $\pm$ 5%
AC output current	16.6 AAC
AC output frequency	60 Hz $\pm$ 0.5 Hz
AC output waveform	Pure sine wave
Total harmonic distortion (THD)	< 3%
USB	5V, 2.1 A
<b>INVERTER SPECIFICATIONS - INPUT</b>	
Nominal DC input voltage	25.0 VDC
DC input voltage range	21.0 - 31.0 VDC
Input current	97 DCA
No load draw - Power Save off	.8 ADC
No load draw - Power Save on	.3 ADC
Optimum efficiency	> 90%
High voltage shutdown	31.0 VDC
Low voltage alarm	22.4 VDC, audible
Low voltage shutdown	21.0 VDC
<b>GENERAL FEATURES AND CAPABILITIES</b>	
Transfer relay capability	NA
Display status indicator	LED: Status
Digital display	Input voltage, output power, warning, and error code
AC receptacles	NEMA 5-20 (GFCI)
Listings	Conforms to UL458, Certified to CSA 22.2, 107.1
Warranty	One year
<b>ENVIRONMENTAL SPECIFICATIONS</b>	
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
<b>PHYSICAL SPECIFICATIONS</b>	
Dimensions (l x w x h)	16.3" x 9.1" x 4.3" (41.4 cm x 23.1 cm x 10.9 cm)
Shipping dimensions (l x w x h)	19" x 11.3" x 6.7" (48.3 cm x 28.7 cm x 17 cm)
Mounting	Shelf (top or bottom up) or bulkhead (DC terminals MUST be facing up)
Weight	11.5 lb (5.2 kg)
Shipping weight	13 lb (5.9 kg)



## GENERAL NOTES

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



## AGENCY APPROVALS & CERTIFICATIONS

- Conforms to UL458, Certified to CSA 22.2, 107.1

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