



Go Power GP-ISW-200 Pure Sine Wave Inverter User Guide

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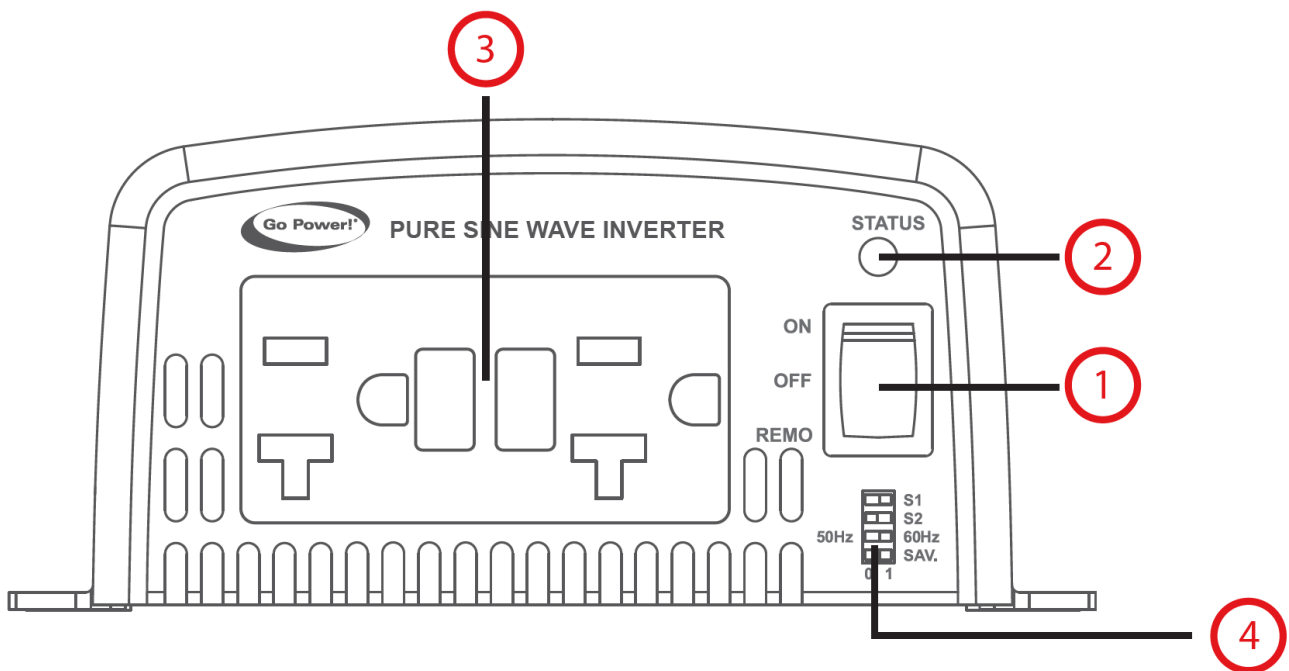
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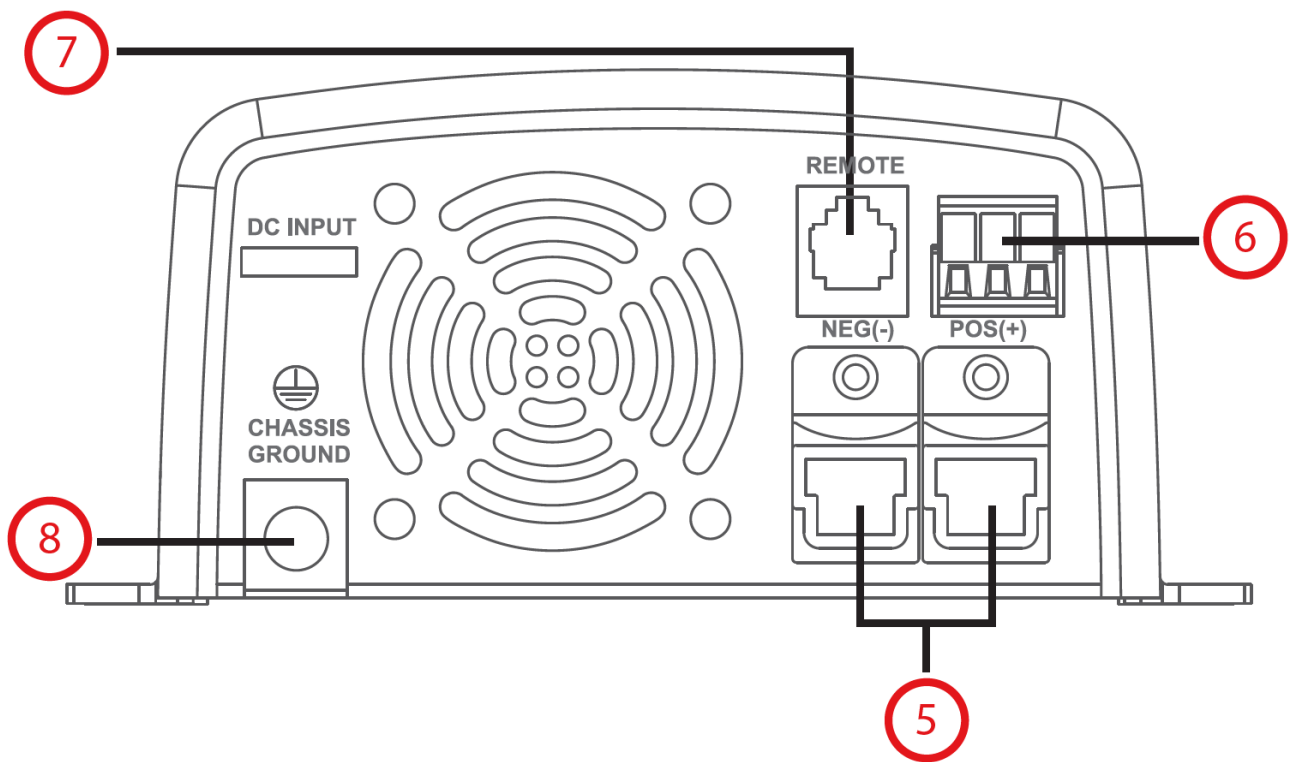


Go Power GP-ISW-200 Pure Sine Wave Inverter



Quick Start Guide





1. ON / OFF / Remote Main Switch
2. LED Indicator
3. AC Output
4. Function Switch
5. DC Input Terminal
6. Green Terminal
7. Remote Port (RJ-11)
8. Chassis Ground

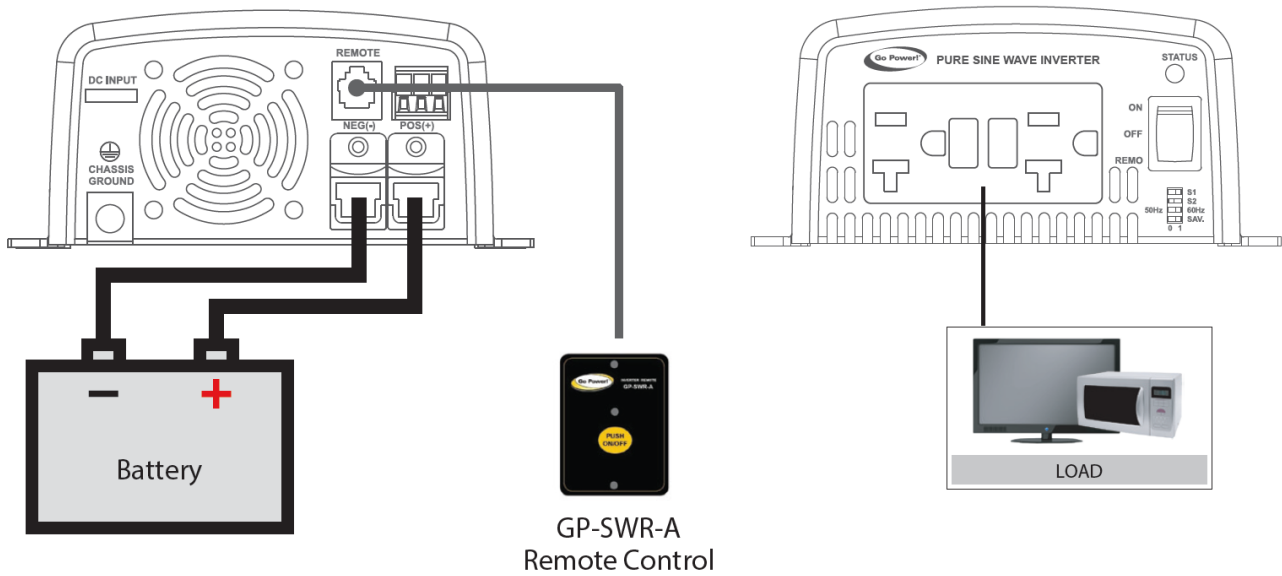
Installation and Wiring – Overview

The GP-ISW should be located as close to the batteries as possible but not within the same compartment. The length and size of the DC Cables will affect performance. Long DC wires tend to lose efficiency and reduce the overall performance of the Inverter/Charger.

For optimum Inverter performance the GP-ISW must be installed so the front and rear air vents are not blocked or obstructed in any way. Do not install the GP-ISW in an area with limited air flow. Allow as much space around the Inverter as possible, leaving at least 4 inches of airspace clearance around all ventilation areas.

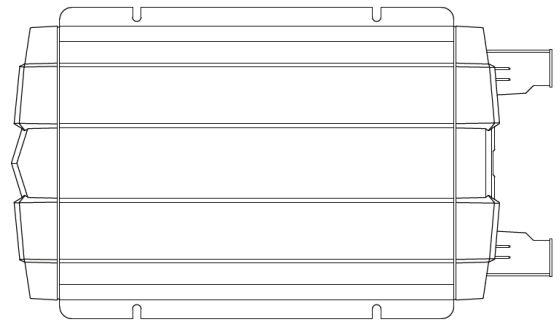
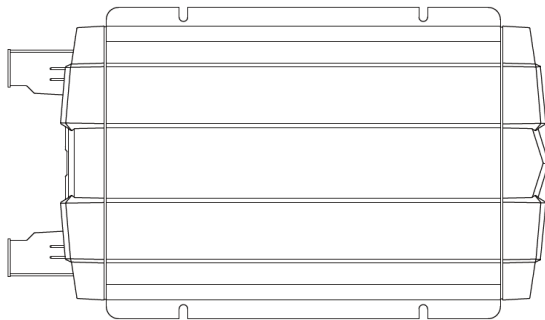
Tools and Materials Needed

- Flathead Screwdriver (for wire terminals)
- Philips Screwdriver (for mounting screws)



Mounting Orientations

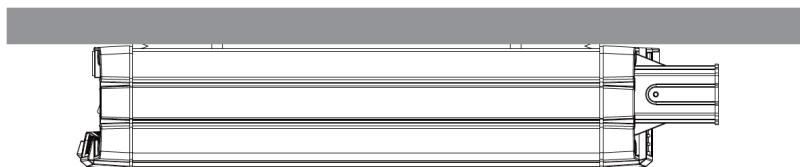
- HORIZONTAL WALL MOUNT, BASE DOWN



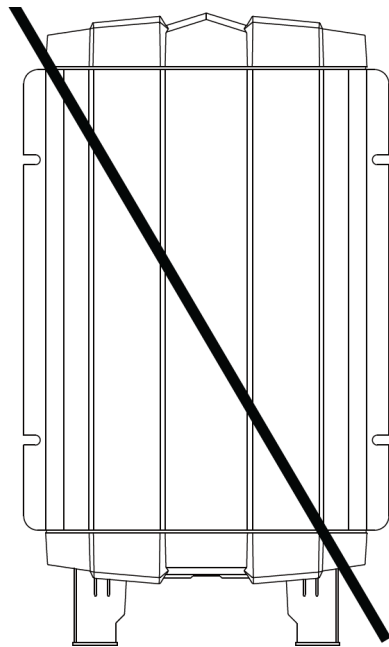
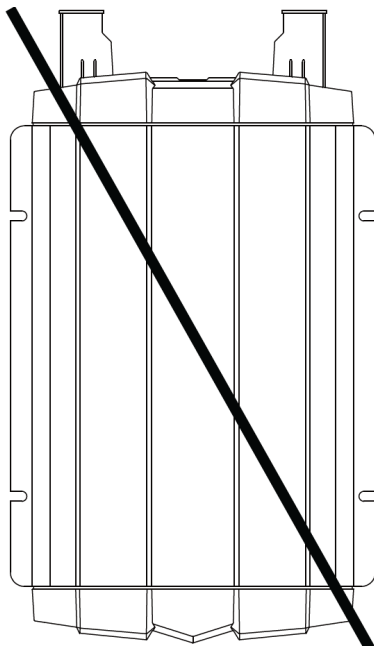
- HORIZONTAL MOUNT, BASE UP



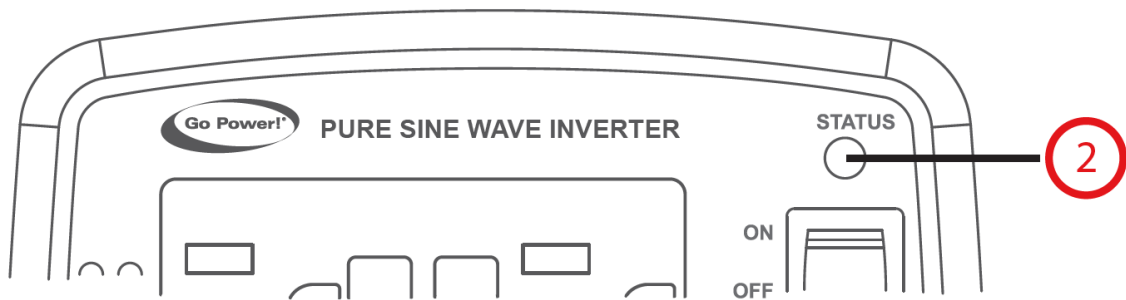
- HORIZONTAL MOUNT, BASE DOWN



- VERTICAL MOUNT, DO NOT MOUNT THE GP-ISW IN THIS CONFIGURATION



LED Indicators



Input Voltage Level

LED Status	DC 12V	DC 24V
Red	< 11.0V	< 22.0V
Orange	11.0 ~ 11.5V	22.0 ~ 23.0V
Green	11.5 ~ 15.0V	23.0 ~ 30.0V
Orange	15.0 ~ 15.5V	30.0 ~ 31.0V
Red	< 15.5V	> 31.0V

Input Voltage Level

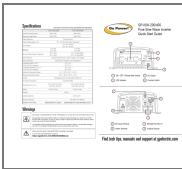
LED Status	Status	Recovery Point
Green	Normal	
Red	Over Current Protection/ Over Load Protection (AC output short-circuit and over load)	
Red Blink	Under Voltage Protection/ (Input DC voltage under spec)	12.5V @ DC12V System 25V @ DC24V System
Red Fast Blink	Over Voltage Protection (Input DC voltage over spec)	14.5V @ DC12V System 29V @ DC24V System
Orange	Device startup process abnormal	—
Orange Fast Blink	Under Temperature Protection/ (Heat sink temp. under -20°C)	> 0°C (Heat sink temperature)
Orange Slow Blink	Over Temperature Protection (Heat sink temp. over 80°C)	< 60°C (Heat sink temperature)

Specifications

Note: Both 12V and 24V inverter specifications are listed below.		
	GP-ISW200	GP-ISW400
Continuous Output Power	200 W (VA)	400 W (VA)
Maximum Surge Rating	250 W (VA)	800 W (VA)
Output Waveform	Pure Sine Wave	
Output Voltage Range $\pm 3\%$	100 – 120 VAC (Dip Switch Selectable)	
Input Voltage	12 V: 10 – 16 VDC	
Efficiency	12 V: 89% 24 V: 91%	12 V: 88% 24 V: 89%
No Load Current Draw / Powersave	12 V: <0.5A 24 V: <0.4A	12 V: <1A @ 12VDC 24 V: <0.5 @ 24VDC
Input Protection	Reverse Polarity (Fuse) / Under Voltage / Over Voltage	
Output Protection	Short Circuit / Overload / Over Temperature	
Low Battery Alarm ± 0.3 V (± 0.5 V for 24 V inverters)	12 V: 10 V 24 V: 21 V	
Low Battery Shutdown ± 0.3 V (± 0.5 V for 24 V inverters)	12 V: 10 V 24 V: 20 V	
Operating Temperature Range	-4°F – 140°F (-20°C – 60°C)	
Storage Temperature Range	-22°F – 158°F (-30°C – 70°C)	
Cooling	Temperature and Load Controller Cooling Fan	
AC Output Connections	Dual GFCI Outlet	
Dimensions (W x H x L)	5.91 x 2.68 x 7.36 inch (150 x 68 x 187 mm)	5.91 x 2.68 x 7.36 inch (150 x 68 x 187 mm)
Weight	3.5 lbs (1.6 kg)	3.5 lbs (1.6 kg)
Warranty	2 Years	
Inverter Install Kits		GP-DC-KIT1
Remotes (Optional)		GP-ISW-R / GP-SWR-A
Regulations and Safety	EMC / Certified FCC Class B	EMC / Certified FCC Class B / Certified UL 458

See user manual for complete instructions at gpelectric.com

Documents / Resources



[Go Power GP-ISW-200 Pure Sine Wave Inverter](#) [pdf] User Guide
GP-ISW-200, GP-ISW-400, Pure Sine Wave Inverter