


PRODUCT SPECIFICATIONS

ELECTRICAL	SPECIFICATIONS	ASW-1200	ASW-1800	ASW-2000	ASW-3000
INVERTER	Rated Power	1200 W	1800 W	2000 W	3000 W
	Nominal Voltage	12.5 VDC			
	Input Voltage Range	10 ~ 16.5 VDC ± 0.3 Vdc			
	Input Over-Voltage Protection	> 16.5 ± 0.3 Vdc			
	Input Over-Voltage Warning	> 15.5 ± 0.3 Vdc			
	Input Under-Voltage Protection	< 10.0 ± 0.3 Vdc			
	Input Under-Voltage Warning	< 11.0 ± 0.3 Vdc			
	Input Over-Voltage Recovery	<13.5 ± 0.3 Vdc			
	Input Under-Voltage Recovery	>12.5 ± 0.3 Vdc			
	Surge Rating Current (Max)	133 A	197 A	220 A	330 A
	No Load Current @12.5VDC	≤ 1.8 A	≤ 2.0 A	≤ 2.0 A	≤ 2.8 A
	Power Saving mode @12.5VDC	< 0.1 A			
	Overload (Max. 1 min.)	1201 ~ 1440W	1801 ~ 2160W	2001 ~ 2400W	3001 ~ 3600W
	Peak Power (Max. 3 sec.)	1441 ~ 2400W	2161 ~ 3600W	2401 ~ 4000W	3601 ~ 6000W
	Peak Power (Max. 2 sec.)	> 2400W	> 3600W	> 4000W	> 6000W
	Frequency	50/60 Hz ± 0.3 Hz (User-selectable)			
	Output Voltage	120 Vac ±3%			
Max. Efficiency	91%				
Output Waveform	Pure Sine Wave				
Total Harmonic Distortion (THD)	< 3% (Bat. 12.5V @120Vac, resistive load)				
TRANSFER SWITCH	Transfer Relay Rating	30A continuous			
	Transfer Time	≤ 20mS			
PROTECTION	DC Input Protection	OCP (fuse), Reverse Polarity (mosfet), OVP, UVP			
	AC Output Protection	Short-Circuit, Overload			
	AC Input Protection	30A Breaker (Automatically Reset)			
	Temperature Protection	Heatsink Temperature Reaches > 203 °F / 95 °C			
REMOTES	Go Power! SWR-A Remote (GP-SWR-A), or PowerTrak™ Screen (GP-PT-DIS-3 and GP-RVC-EXT-25)				
OPERATING TEMPERATURE RANGE	Full Load	-68°F ~ 104°F / -20°C ~ 40°C			
	Power de-rating	105.8°F ~ 140°F / 41°C ~ 60°C			
	Storage	-104°F ~ 158°F / -40 ~ 70°C			
	Operating Humidity Range	0-95% RH, non-condensing			
MECHANICAL SPECIFICATIONS	Dimensions W x H x D (in./mm)	8.94 x 3.39 x 13.62 in (227 x 86 x 346)	9.96 x 3.39 x 14.80 in (253 x 86 x 376)	9.96 x 3.39 x 14.80 in (253 x 86 x 376)	11.42 x 4.02 x 16.50 in (290 x 102 x 419)
	Net Weight (lb/kg)	7.50 lb (3.4 kg)	9.70 lb (4.4 kg)	9.70 lb (4.4 kg)	14.33 lb (6.5 kg)
SAFETY AND EMS	Safety Standards	Certified UL458			
	EMC Standards	Certified FCC Class B	Certified FCC Class A		
WARRANTY	2 year				

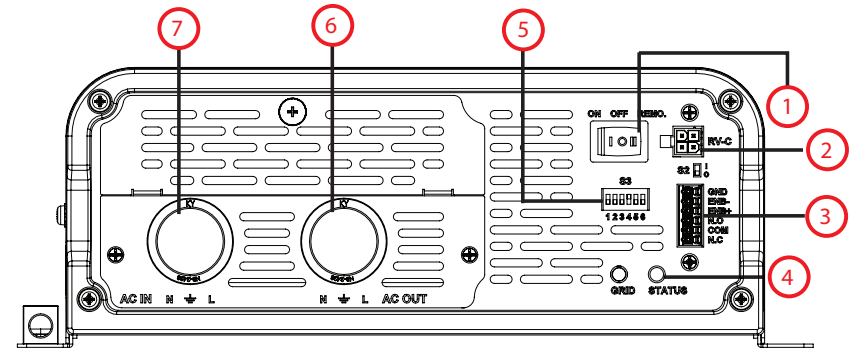
WARNINGS

	<p>Do not open or disassemble the Inverter. Attempting to do so may cause risk of electrical shock or fire.</p> <p>We guarantee this product against defects in materials and workmanship for a period of 24 months from date of purchase. In case you need to repair or replace any defective power inverters, please contact your local Go Power! distributor.</p> <p>This warranty will be considered void if the unit has been misused, altered, or accidentally damaged. Go Power! is not liable for anything that occurs as a result of the user's fault.</p>
	<p>Please read the Owner's Manual BEFORE connecting to the supply.</p> <p>Scan the QR code to view the complete product manual</p>

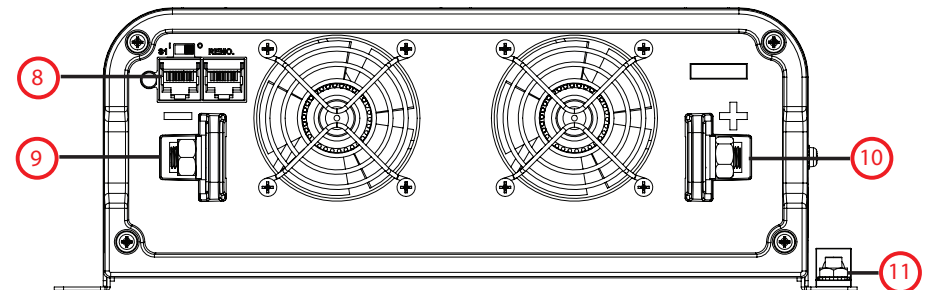


ASW-1200/1800/2000/3000

ADVANCED SINE WAVE (ASW) & TRANSFER SWITCH Quick Start Guide



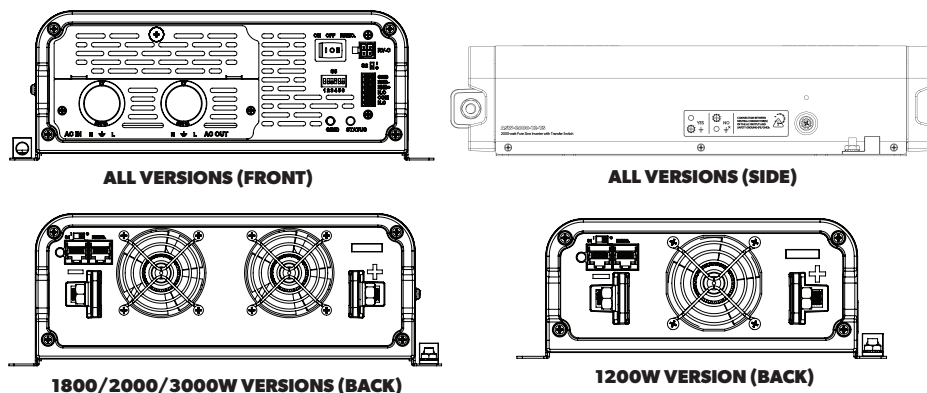
NO.	DESCRIPTION	NO.	DESCRIPTION
1	ON/OFF Remote Main Switch	5	Dip Switches
2	RV-C Connection Port	6	AC Out
3	RV-C Terminal Switch	7	AC In
4	LED Indicator		



NO.	DESCRIPTION	NO.	DESCRIPTION
8	Remort Port	10	DC Negative Terminal
9	DC Positive Terminal	11	Ground

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INVERTER OVERVIEW



INSTALLATION AND WIRING – OVERVIEW

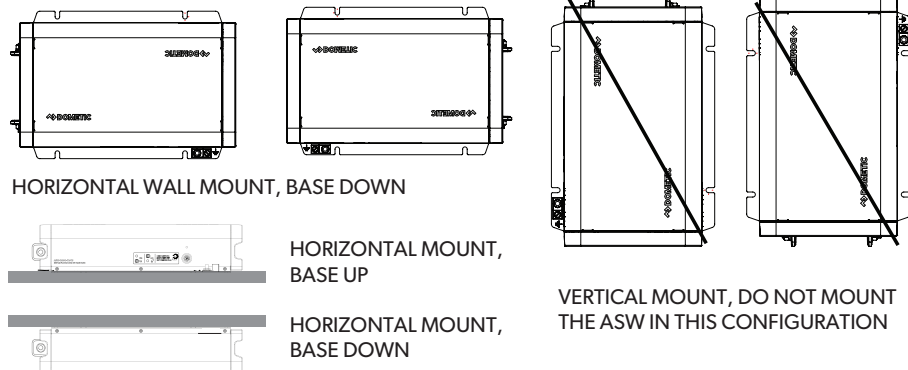
The ASW should be located as close to the batteries as possible but not within the same compartment. The length and size of the DC Cables will affect performance. Long DC wires tend to lose efficiency and reduce the overall performance of the Inverter/Charger.

For optimum Inverter performance the ASW must be installed so the front and rear air vents are not blocked or obstructed in any way. Do not install the ASW 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.

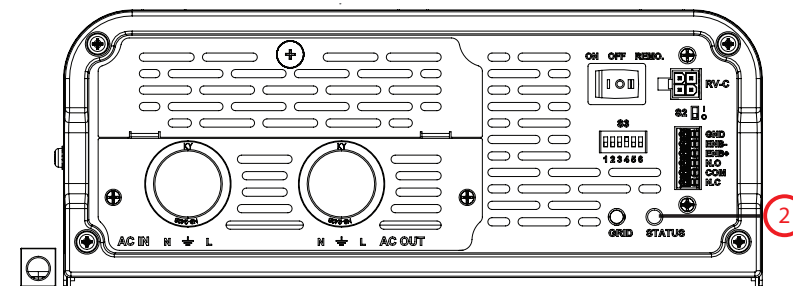
TOOLS AND MATERIALS NEEDED

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

MOUNTING ORIENTATIONS



LED INDICATORS



LED STATUS



LED STATUS	STATUS
Solid Green	Inverter Mode
Slow Blink Green	Bypass Mode
Intermittent Blink Green	RV-C Standby
Slow Blink Orange	Bat. Over Voltage Alarm
Fast Blink Orange	Bat. Under Voltage Alarm
Intermittent Blink Red	Over Temperature Protection
Intermittent Blink Red (2)	Bat. OVP Shut Down
Intermittent Blink Red (3)	Bat. UVP Shut Down
Fast Blink Red	Over Load Protection
Solid Red	Hardware Fault
Solid Blue	Grid In

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

See user manual for complete instructions at gopowersolar.com