



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 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			
	Surge Power (Max. 1 min.)	1201 ~ 1440W	1801 ~ 2160W	2001-2400W	3001 ~ 3600W
	Surge Power (Max. 3 sec.)	1441 ~ 2400W	2161 ~ 3600W	2401-4000W	3601 ~ 6000W
	Surge 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! ASW-R Remote (GP-ASW-R), 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>



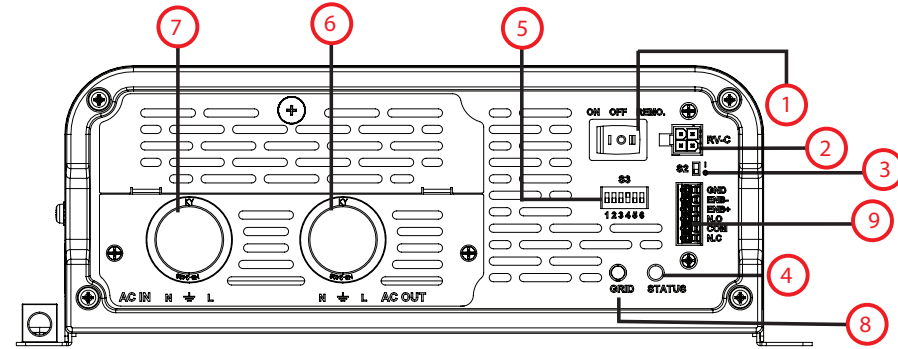
ASW-1200-12-TS / 1800-12-TS /
2000-12-TS / 3000-12-TS

ADVANCED SINE WAVE (ASW) & TRANSFER SWITCH

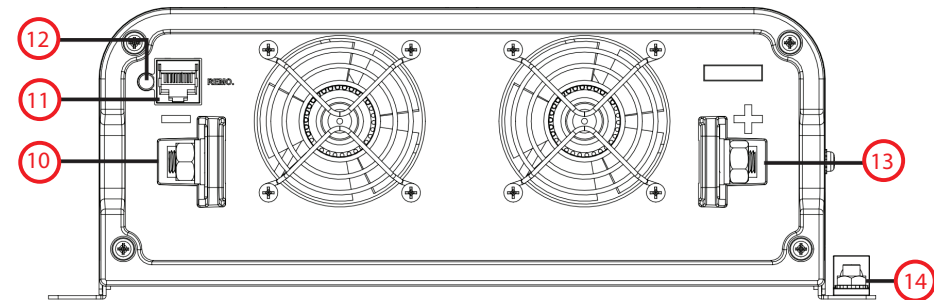
Quick Start Guide



SCAN TO SEE FULL MANUAL

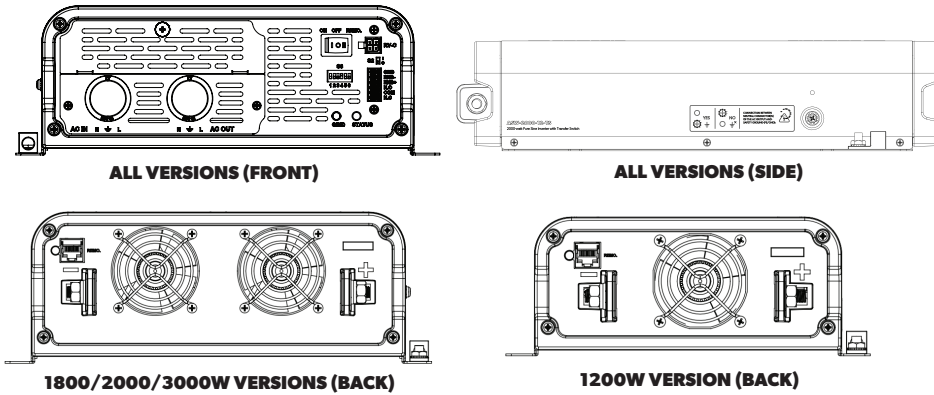


NO.	DESCRIPTION	NO.	DESCRIPTION
1	ON/OFF/REMOTE Main Switch	6	AC Out
2	RV-C Connection Port	7	AC In
3	RV-C Terminal Switch	8	Grid LED
4	Status LED	9	Dry Contact Terminal
5	Dip Switches		

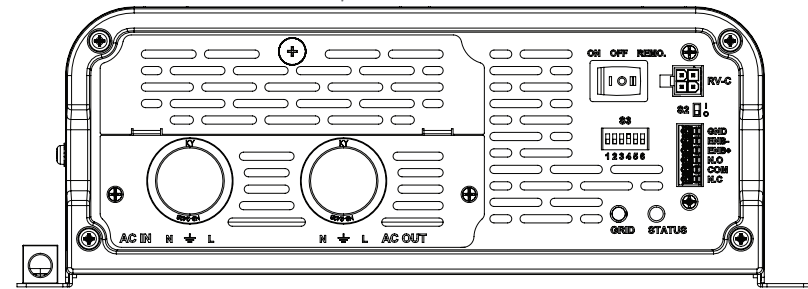


NO.	DESCRIPTION	NO.	DESCRIPTION
10	DC Negative Terminal	13	DC Positive Terminal
11	Remote Port	14	Ground
12	Battery Power in Reverse Status LED		

INVERTER OVERVIEW



LED INDICATORS



STATUS LED



INSTALLATION AND WIRING – OVERVIEW

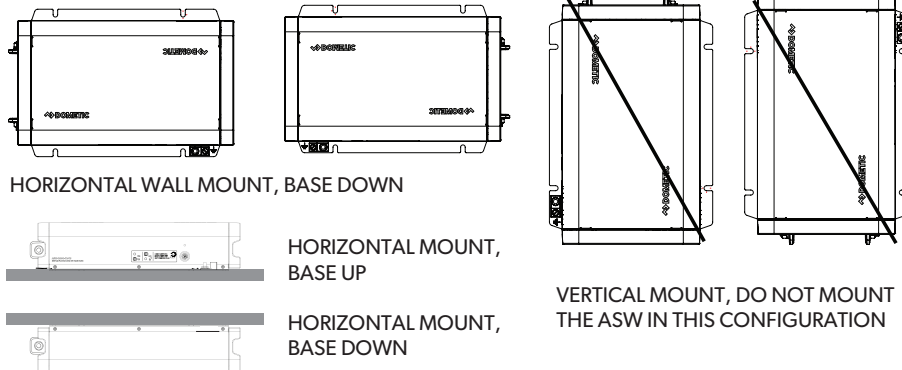
The Inverter should be located as close to the batteries as possible. The length and size of the DC cables will affect performance. Long DC wires will reduce efficiency and diminish overall performance of the Inverter.

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 COLOR		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
AC PASS-THROUGH LED		
Solid Blue		AC Pass-through detected

See user manual for complete instructions at gopowersolar.com