

Main Features:

1. GWS Series AC/Solar charging Off grid Hybrid Inverter(MPPT type).
2. Man-machine intelligent design, wall-mount design
3. .LCD+LED display, Enhanced functions setting via LCD.
4. Built-in 40A/60A optional MPPT solar charger controller.
5. LCD shows the solar power capacity.
6. Adjustable AC charging current 5 stages , AC charging also can be closed..
7. AC/DC priority modes select-able
8. Generator restart signal can be added. (via Dry contact).
9. Stand with 3 times peak power. Strong loading capacity.
10. Overload, output short-circuit protection etc.

Model		GWS1000W	GWS1500W	GWS2000W	GWS3000
AC Input	Nominal Power	1000W	1500W	2000W	3000W
	Nominal input Voltage	120/230VAC			
	Input Voltage Waveform	Sinusoidal (utility or generator)			
	Low Line Disconnect	85Vac±4%(Normal) or 80Vac±4% (Wide) for 120V 184Vac±4%(Normal) or 135Vac±4%(Wide) for 230V			
	High Line Disconnect	136Vac±4%(Normal) or 140Vac±4%(Wide) for 120V 263Vac±4%(Normal) or 263Vac±4%(Wide) for 230V			
	Max AC input Voltage	120V for Max150V, 230V for Max270V			
	Frequency	50Hz:41-54Hz, 60Hz:51-64Hz			
AC output	Output Voltage Waveform	Sine wave			
	Power Factor	0.9~1.0			
	Nominal Output Voltage (V)	LV:120Vac ±10%rms, HV:230Vac ±10%rms			
	Nominal Output Frequency (Hz)	50Hz ± 0.3Hz, 50Hz ± 0.3Hz			
Solar charger	Rated Charge Current	40A	60A		
	PV Input Voltage range	15VDC-40VDC for 12VDC, 30VDC-55VDC for 24VDC, 60-110VDC for 48V			
	Max.PV open circuit array voltage	12V for 40Vdc, 24V for 55Vdc, 48V for 110Vdc			
	Charger mode	MPPT			
	PV Low Voltage Re-connect	PV≥Bat.V+3V			
	PV Low Voltage Disconnect	PV≤Bat.V			
	Efficiency	≥97%			
AC Charger	Nominal Charger Current	35A/50A/70A/90A(According to the inverter model)			
		5 stages adjustable charging current			
	Over charge Protection	Bat.V≥15.5VDC for 12V battery, Bat.V≥31.0VDC for 24V battery , Bat.V≥62.0VDC for 48V battery beeps 0.5s every 1s & fault after 60s			
Efficiency	Efficiency(Battery Mode)	≥87%			
	Efficiency (Line Mode)	> 98%			

Battery Voltage	Nominal DC input Voltage	12/24/48VDC			
	Low Battery Alarm	10.5VDC±0.3VDC for 12VDC			
		21VDC±0.6VDC for 24VDC			
	High DC input Alarm & Fault	16VDC±0.3VDC for 12VDC			
		32VDC±0.6VDC for 24VDC			
	Transfer Time	20ms(max)			
System Parameter	Over-Load Protection	110% < load < 150%, beeps 0.5s every 1s, and Fault after 60s off			
		the output,load > 150%, beeps 0.5s every 1s, and Fault after 20s			
	Output Short Circuit Protection	Current limit (Fault after 10s)			
	Surge Rating(10s)	1:3(VA)			
	Power Saver	Load≤25W(Enabled on "P/S auto"Setting of Remote control)			
	Protections	Low battery, over charging, over load, over temp			
General Specifications	Operating Temperature Range	0°C ~ 40°C			
	Storage Temperature	- 15°C~60°C			
	Operation humidity	5% to 95%(non-condensing)			
	Audible Noise	60dB max			
	cooling	Forced air,variable speed fan			
	Dimension(L*W*H)	480*336*190mm			
	Net Weight(kg)	19.5	21.5	23.5	28

Specifications are subject to change without further notice.