

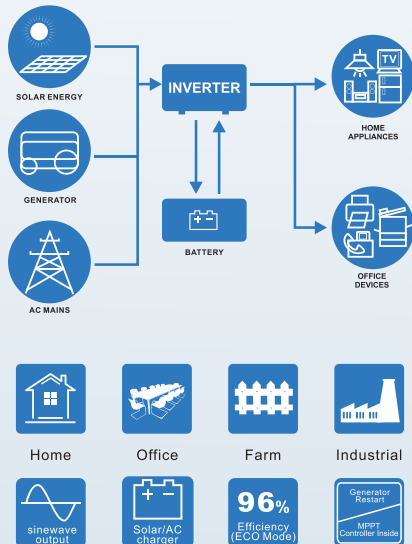
# GS Series 1~12KW



## Features:

- ◆ GS Series AC/Solar charging Off grid Hybrid Inverter.
- ◆ LED/LCD display, Enhanced functions setting via LCD, Man-machine intelligent design.
- ◆ Built-in 40A/60A optional MPPT solar charger controller.
- ◆ LCD shows the solar capacity.
- ◆ 5 stages adjustable AC charging current. AC charging also can be closed.
- ◆ AC/DC priority modes can be set.
- ◆ Generator restart signal(Dry contact).
- ◆ 3 times peak power. Strong loading capacity.
- ◆ Overload, output short-circuit protection.

## Application:



## Specifications

Pure Sine Wave Hybrid charger Inverter

Model	GS1000	GS2000	GS3000	GS4000	GS5000	GS6000	GS8000	GS10KW	GS12KW
<b>Power Rating</b>	1000W	2000W	3000W	4000W	5000W	6000W	8000W	10KW	12KW
<b>AC Input</b>	Input Voltage/Waveform: Sinusoidal(utility or generator) Nominal input Voltage: 120/230VAC Low Line Disconnect: 85Vac±4%(Normal) or 80Vac±4%(Wide) for 120Vac; 184Vac±4%(Normal) or 135Vac±4%(Wide) for 230Vac Low Line Re-connect: 95Vac±4%(Normal) or 85Vac±4%(Wide) for 120Vac; 194Vac±4%(Normal) or 145Vac±4%(Wide) for 230Vac High Line Disconnect: 136Vac±4%(Normal) or 145Vac±4%(Wide) for 120Vac; 263Vac±4%(Normal) or 263Vac±4%(Wide) for 230Vac Max AC input Voltage: 120Vac for Max150Vac, 230Vac for Max270Vac Frequency: 50Hz:41-54Hz, 60Hz:51-64Hz								
<b>AC Charger</b>	Nominal Charge Current: 20A/35A/50A/70A/90A(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								
<b>Solar Charger</b>	Rated Charge Current: 40A, 60A, 60A, 60A, 60A, 60A, 60A, 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%								
<b>Charger</b>	Nominal Charger Current: 20A/35A/50A/70A/90A(According to the inverter model), 5 stages adjustable charging current Over charge Protection: Bat.V≥15.5VDC/31VDC/62VDC,beeps 0.5s every 1s & fault after 60s								
<b>Efficiency</b>	Efficiency (Battery Mode): ≥87% Efficiency (Line Mode): >98%								
<b>Battery Voltage</b>	Nominal DC Input Voltage: 12/24/48VDC Low Battery Alarm: 10.5VDC±0.3VDC for 12VDC, 21VDC±0.6VDC for 24VDC, 42VDC±1.2VDC for 48VDC Low DC input shut-down: 10VDC±0.3VDC for 12VDC, 20VDC±0.6VDC for 24VDC, 40VDC±1.2VDC for 48VDC High DC input Alarm & Fault: 16VDC±0.3VDC for 12VDC, 32VDC±0.6VDC for 24VDC, 64VDC±1.2VDC for 48VDC								
<b>Transfer Time</b>	AC to DC: 20ms(max) DC to AC: 15ms(max)								
<b>System Parameter</b>	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: Loads≤25W(Enabled on "P/S auto"Setting of Remote control ) Protections: Low battery,over charging,over load,over temp Indicators: LED+LCD Display								
<b>General Specifications</b>	Operating Temperature Range: 0°C to 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, 530*400*190mm, 627*416*204mm Net Weight(kg): 19.5kg, 23.5kg, 28.0kg, 30.0kg, 35.5kg, 39.0kg, 52.5kg, 58.5kg, 66.5kg								

◆ Product specifications are subject to change without further notice.