

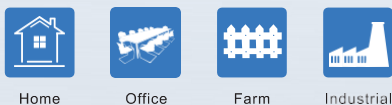
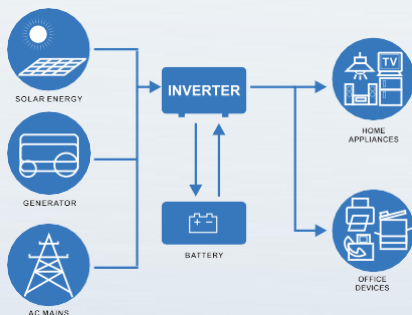


GS Series 1~12KW

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	
Power Rating	1000W	2000W	3000W	4000W	5000W	6000W	8000W	10KW	12KW	
AC Input	Sinusoidal(utility or generator)									
Nominal input Voltage	120/230VAC					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					230Vac for Max270Vac				
Frequency	50Hz:41-54Hz,		60Hz:51-64Hz							
AC Charger	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									
Solar Charger	Rated Charge Current: 40A 60A 60A 60A 60A 60A 60A 60A 60A									
PV Input Voltage range	15VDC-40VDC for 12VDC, 25VDC-75VDC for 24VDC, 55-145VDC for 48V									
Max.PV open circuit array voltage	12V for 40VDC, 24V for 75VDC, 48V for 145VDC									
Charger mode	MPPT									
PV Low Voltage Re-connect	PV≥Bat.V=3V									
PV Low Voltage Disconnect	PV = Bat.V									
Efficiency	≥97%									
Charger	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									
Efficiency	Efficiency (Battery Mode): >87%									
	Efficiency (Line Mode): >98%									
Battery Voltage	Nominal DC Input Voltage		12/24/48VDC			24/48VDC			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									
Transfer Time	AC to DC		20ms(max)							
	DC to AC		15ms(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									
	Indicators: LED+LCD Display									
General Specifications	Operating Temperature Range: 0°C to 40°C									
	Storage Temperature: -15°C~60°C									
	Operation humidity: 5% to 95%(non-condensing)									
	Audible Noise cooling: 60dB max									
	Dimension(L*W*H): Forced air,variable speed fan									
	480*336*190mm		530*400*190mm		627*416*204mm					
	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.

