

GS Series 1~12KW

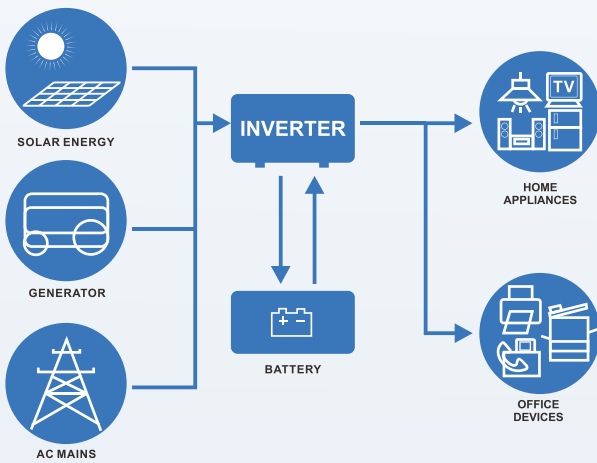


With reliable intelligent design, GS series solar inverter can be available to complicated appliances. Not only used for common appliances such as TV, computer, lights, fans... but also suitable for inductive loadings such as refrigerators, airconditioners, motors, pumps, compressors and laser printers...

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.
- ◆ Adjustable 5 stages 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:



Home



Office



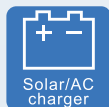
Farm



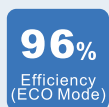
Industrial



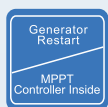
sinewave output



Solar/AC charger



96%
Efficiency
(ECO Mode)



Generator Restart
MPPT Controller Inside

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)									
Input Voltage Waveform	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					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					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					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	
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%									
Charger	Nominal Charger Current	20A/35A/50A/70A/90A(According to the inverter model), adjustable 5 stages 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	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.