

GS Inverter Series 1~12KW

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	120/230VAC								
Nominal input Voltage	85Vact±4%(Normal) or 80Vact±4%(Wide) for 120Vac								
Low Line Disconnect	184Vact±4%(Normal) or 135Vact±4%(Wide) for 230Vac								
Low Line Re-connect	95Vact±4%(Normal) or 85Vact±4%(Wide) for 120Vac								
High Line Disconnect	194Vact±4%(Normal) or 145Vact±4%(Wide) for 230Vac								
High Line Disconnect	136Vact±4%(Normal) or 145Vact±4%(Wide) for 120Vac								
Max AC input Voltage	263Vact±4%(Normal) or 263Vact±4%(Wide) for 230Vac								
Frequency	120Vac for Max150Vac, 230Vac for Max270Vac								
	50Hz:±1~54Hz / 60Hz:±1~64Hz								

AC Charger	20A/35A/50A/70A/90A(5 stages adjustable charging current)
Nominal Charge Current	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
Over Charge Protection	0.5s every 1s & fault after 60s

Solar Charger	60A
Rated Charge Current	15VDC-40VDC for 12VDC, 30VDC-55VDC for 24VDC, 60-110VDC for 48V
PV Input Voltage range	Max.PV open circuit array voltage
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	20A/35A/50A/70A/90A(According to the inverter model), 5 stages adjustable charging current
Nominal Charger Current	Bat.V≥15.5VDC/31VDC/62VDC,beeps 0.5s every 1s & fault after 60s
Over charge Protection	

Efficiency	≥87%
Efficiency (Battery Mode)	>98%

Battery Voltage	12/24/48VDC
Nominal DC Input Voltage	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

Transfer Time	20ms(max)
AC to DC	15ms(max)
DC to AC	

System Parameter	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
Over-Load Protection	Current limit(Fault after 10s)
Output Short Circuit Protection	1:3(VA)
Surge Rating(10s)	Loads25W(Enabled on "P/S auto"Setting of Remote control)
Power Saver	Low battery,over charging,over load,over temp
Protectors	LED+LCD Display
Indicators	

General Specifications	0°C to 40°C
Operating Temperature Range	-15°C~60°C
Storage Temperature	5% to 95% (non-condensing)
Operation humidity	60dB max
Audible Noise	Forced air, variable speed fan cooling
cooling	480*336*190mm
Dimension(L*W*H)	19.5kg 23.5kg 28.0kg
Net Weight(kg)	530*400*190mm
	627*416*204mm
	52.5kg 58.5kg 66.5kg

◆ Product specifications are subject to change without further notice.

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.



Applicable Sectors

