

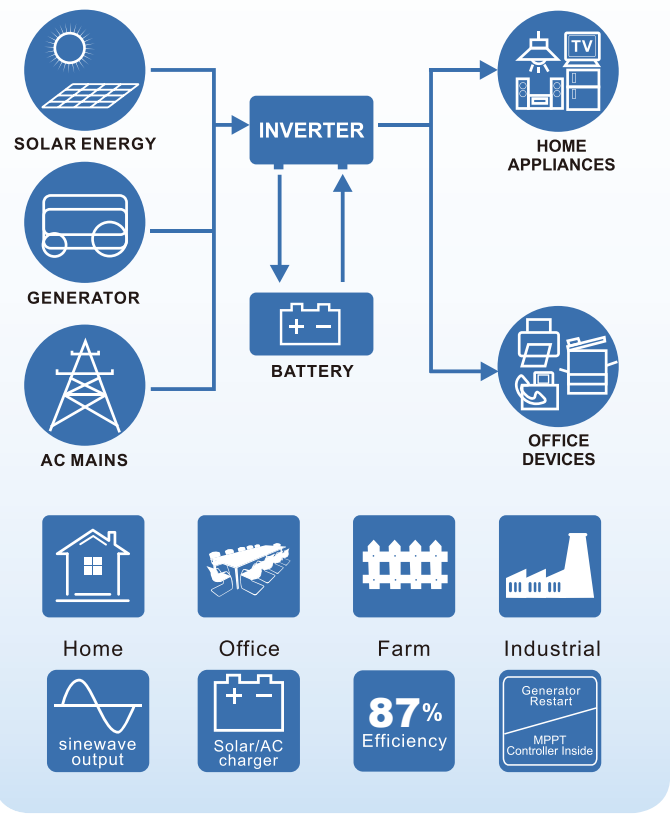
GS Series1-12KW

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

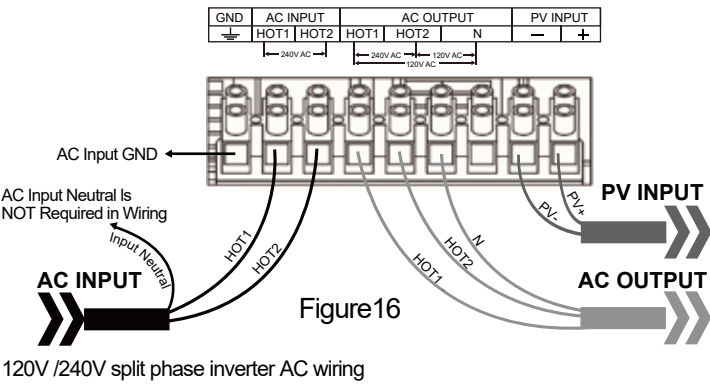


- ◆ GS Series AC/Solar charging Off grid Hybrid Inverter.
- ◆ LED/LCD display, Enhanced functions setting via LCD, Man-machine intelligent design.
- ◆ Built-in 40A/60A optional MPPT solar charger controller.
- ◆ LCD shows the solar capacity.
- ◆ Adjustable 5 stagesAC charging current. AC charging also 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.
- ◆ Apply to Split Phase system,2 live lines 1 neutral line,voltage is 120/240V.

Application



(120V /240 split phase inverter AC Terminal)



Specifications

Model		Parameters		GS1000	GS2000	GS3000	GS4000	GS5000	GS6000	GS8K	GS10K	GS12K
AC Input	Nominal Power	1KW	2KW	3KW	4KW	5KW	6KW	8KW	10KW	12KW		
	Input Voltage Waveform	sinusoidal(utility or generator)										
	Nominal input Voltage	HOT1-HOT2: 240VAC										
	Low Line Disconnect	180Vac±4%(Normal) or 140Vac±4%(Wide)										
	Low Line Re-connect	190Vac±4%(Normal) or 150Vac±4%(Wide)										
	High Line Disconnect	270Vac±4%(Normal) or 270Vac±4%(Wide)										
	High Line Re-connect	260Vac±4%(Normal) or 260Vac±4%(Wide)										
	Max AC input Voltage	Max280V										
	Frequency	50Hz:41-54Hz, 60Hz:51-64Hz										
AC Output	Output Voltage Waveform	Sine wave										
	Power Factor	1.0										
	Nominal Output Voltage (V)	HOT1-N: 120Vac ±10%rms; HOT2-N: 120Vac ± 10%rms; HO1-HOT2: 240Vac ±10%rms										
	output phase diifference	HOT1-N and HOT2-N is 180°; HOT1-N and HOT1-HOT2 is 0°; HOT2-N and HOT1-HOT2 is 180°										
	Nominal Output Frequency (Hz)	50Hz ± 1Hz, 60Hz ± 1Hz										
AC 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 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	alternative 40A/60A										
	PV Input Voltage range	15VDC-40VDC for 12VDC, 30VDC-75VDC for 24VDC, 60-145VDC 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%										
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												
Efficiency	Efficiency(Battery Mode)	≥87%										
	Efficiency (Line Mode)	>98%										
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	YES										
	Surge Rating	1:3(VA)										
	Protections	Low battery, over charging, over load, over temp										
	Indicators	LED+LCD Display										
General Specifications	Operating Temperature Range	0℃～40℃										
	Storage Temperature	- 15℃～60℃										
	Operation humidity	5% to 95%(non-condensing)										
	Audible Noise	60dB max							80dB max			
	cooling	Forced air,variable speed fan										
	Dimension(L*W*H)	480*336*190mm				530*400*190mm				627*416*204mm		
	Net Weight(kg)	24kg	27kg	30.5kg	42kg	46.5kg	48.5kg	64kg	73g	79kg		

◆ Product specifications are subject to change w without further notice

