

GS Series 1~12KW

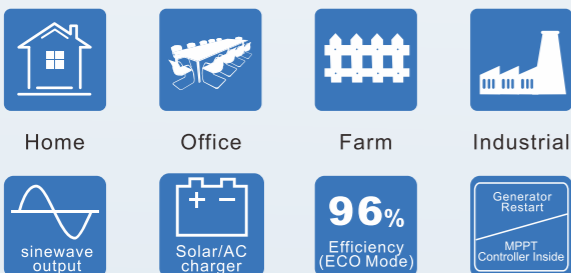
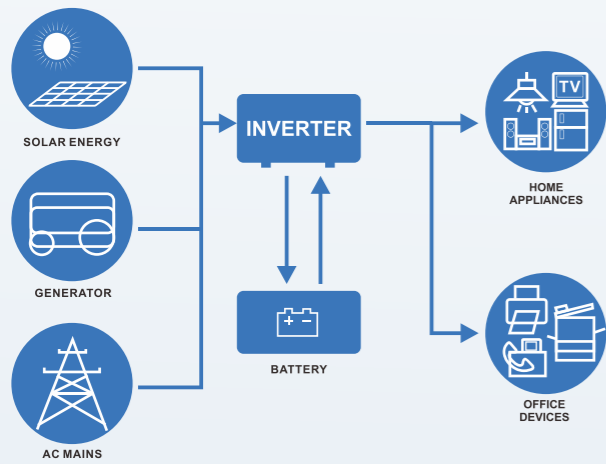


With reliable intelligent design, GS series solar inverter can be available to complicated appliances. Not only used for common appliances such as TV, computer, lights, fans... but also suitable for inductive loadings such as refrigerators, airconditioners, motors, pumps, compressors and laser printers...

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:



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 | 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 | | | | | | | | |
| 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 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.



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