

GW Plus Series 1-12KW

Specifications

Pure Sine Wave Hybrid charger Inverter

Model	GW Plus1K	GW Plus2K	GW Plus3K	GW Plus4K	GW Plus5K	GW Plus6K	GW Plus8K	GW Plus10K	GW Plus12K
Power Rating	1000W	2000W	3000W	4000W	5000W	6000W	8000W	10KW	12KW
AC Input	Input Voltage Waveform: Sinusoidal (utility & 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 140Vac±4%(Wide) for 120Vac; 263Vac±4%(Normal) or 263Vac±4%(Wide) for 230Vac Max AC input Voltage: 120Vac for Max 150Vac, 230Vac for Max 270Vac Frequency: 50Hz: 41-54Hz, 60Hz: 51-64Hz								
AC Output	Output Voltage Waveform: Sine wave Power Factor: 0.9~1.0 Nominal Output Voltage (V): LV: 120Vac ±10%rms, HV: 230Vac ±10%rms; HV: 230Vac ±10%rms Nominal Output Frequency (Hz): 60Hz ± 0.3Hz, 50Hz ± 0.3Hz								
AC Charger	Nominal Charge Current: 20A/35A/50A/70A/90A (5 stages adjustable charging current) ± 5Adc Charge Current Regulation: Bat.V ≥ 15.5VDC for 12V battery, Bat.V ≥ 31.0VDC for 24V battery Over Charge Protection: 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 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%								
Efficiency	Efficiency (Battery Mode): ≥ 85% Efficiency (Line Mode): > 96%								
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 Forced air, variable speed fan Dimension (L*W*H): 480*336*190mm, 530*396*190mm, 627*416*204mm Net Weight (kg): 22.5kg, 23.8kg, 28.0kg, 29.8kg, 35.0kg, 40.0kg, 48.0kg, 55.0kg, 61.5kg								

◆ Product specifications are subject to change without further notice.

Features:

- ◆ GW Plus Series AC/Solar charging hybrid off grid inverter.
- ◆ LED/LCD display, Enhanced functions setting via LCD, Man-machine intelligent design.
- ◆ Built-in 40A/60A optional MPPT solar charger controller.
- ◆ Remote external display panel realize remote operation.
- ◆ 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:

