

GW Series AVR Inverter 500-6000W

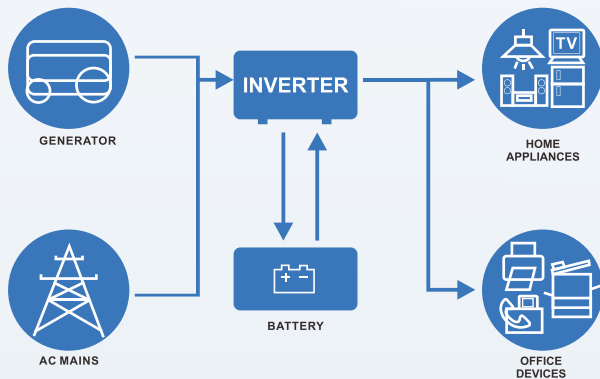


GW with Integrated AVR technology can provide continuous and pure power for the unstable power supply. The series inverter is suitable for any home appliance such as home theater, DVD player and power tools, etc.

Features:

- ◆ AC mode AVR function.
- ◆ Output voltage, frequency and charging current can be adjusted via LCD display.
- ◆ Pure sine wave output, available for sensitive load.
- ◆ 3-step progressive charging, 7 battery type selector.
- ◆ Accept generator's energy output.
- ◆ High power factor.
- ◆ Automatically transfer between battery and line modes.
- ◆ Bypass without battery connected.
- ◆ RS232 communication port.
- ◆ Protection of over load, over temperature, over charging, low battery.

Application:



Home



Office



Farm



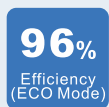
Industrial



sinewave output



LCD/LED display



96% Efficiency (ECO Mode)



AVR Pure Sine Wave

Specifications

Pure Sine Wave charger Inverter

Model		GW1000	GW2000	GW2500	GW3000	GW4000	GW5000	GW6000
Power Rating		1000W	2000W	2500W	3000W	4000W	5000W	6000W
AC Input	Input Voltage Waveform	Sinusoidal (utility or generator)						
	Nominal input Voltage	120/230VAC						
	Input Voltage Range	70Vac-150Vac for 120Vac, 165Vac-270Vac for 230Vac						
	Low Line Disconnect	70Vac±4% for 120Vac, 165Vac±4% for 230Vac						
	Low Line Re-connect	80Vac±4% for 120Vac, 175Vac±4% for 230Vac						
	High Line Disconnect	136Vac±4% for 120Vac, 263Vac±4% for 230Vac						
	High Line Re-connect	131Vac±4% for 120Vac, 253Vac±4% for 230Vac						
	AC Low AVR Disconnect	93Vac±4% for 120Vac, 184Vac±4% for 230Vac						
	Max AC input Voltage	120Vac for Max150Vac, 230Vac for Max270Vac						
	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						
	Nominal Output Frequency (Hz)	60Hz ± 0.3Hz, 50Hz ± 0.3Hz						
	Transfer Time	15ms(max)						
AC Charger	Nominal Charge Current	20A/35A/50A/70A/90A(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"						
	Three-stage charging	Three stage:Boost cc (constant curren stage), Boost CV (constant voltage stage), float (conatant voltage stage)						
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						
Battery Voltage	Nominal DC input Voltage	12/24/48VDC			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						
	High DC input Recovery	15.5VDC±0.3VDC for 12VDC, 31VDC±0.6VDC for 24VDC, 62VDC±1.2VDC for 48VDC						
Efficiency	Efficiency (Battery Mode)	≥85%						
	Efficiency (Line Mode)	>96%						
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)	475*242*182mm			653*242*185mm			
	Net Weight(kg)	17.1kg	19.3kg	21.0kg	22.5kg	34.5kg	37.6kg	38.8kg

◆ Product specifications are subject to change without further notice.