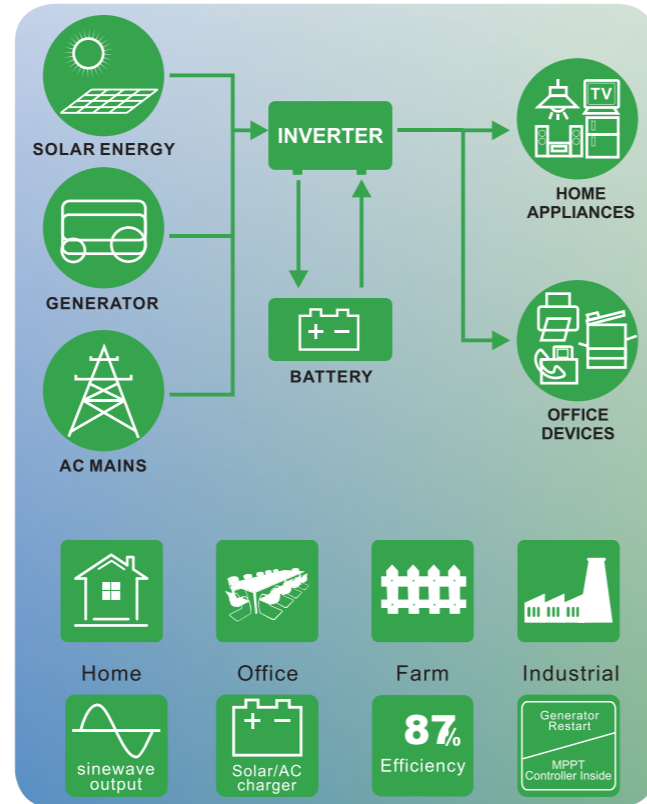


## GMS Inverter Series1-12KW

### Application

GMS Inverter Series inverter is specially designed for servers, data-center critical network devices, sensitive electronic equipment, telecom, bank, hospital, bureau, traffic, public security, ATM and so on.



### Features

- ◆ GMS 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.

## GMS Inverter Series1-12KW

Pure Sine Wave charger inverter

### Specifications

Model	GMS1000	GMS2000	GMS3000	GMS4000	GMS5000	GMS6000	GMS8K	GMS10K	GMS12K	
Nominal Power	1KW	2KW	3KW	4KW	5KW	6KW	8KW	10KW	12KW	
AC Input	Sinusoidal (utility or generator)									
	Input Voltage Waveform									
	Nominal input Voltage	120/230VAC						230VAC		
	Low Line Disconnect	85Vac±4% (Normal) or 80Vac±4% (Wide) for 120V						184Vac±4% (Normal) or 184Vac±4% (Normal) or 135Vac±4% (Wide) for 230V		
	Low Line Re-connect	95Vac±4% (Normal) or 85Vac±4% (Wide) for 120V						194Vac±4% (Normal) or 145Vac±4% (Wide) for 230V		
	High Line Disconnect	136Vac±4% (Normal) or 140Vac±4% (Wide) for 120V						263Vac±4% (Normal) or 263Vac±4% (Wide) for 230V		
	Max AC input Voltage	120V for Max150V, 230V for Max270V						230V for Max270V		
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)	50Hz ± 0.3Hz, 60Hz ± 0.3Hz								
Solar Charger	Rated Charge Current	60A								
	PV Input Voltage range	30VDC-55VDC for 24VDC, 60-145VDC for 48V								
	Max.PV open circuit array voltage	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%								
AC Charger	Nominal Charger Current	20A/35A/50A/70A/90A( 5 stages adjustable charging Current)								
	Over charge Protection	Bat.V≥31.0VDC for 24V battery, Bat.V≥62.0VDC for 48V battery & beeps 0.5s every 1s & fault after 60s								
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/31.0VDC/62.0VDC, beeps 0.5s every 1s & fault after 60s								
Efficiency	Efficiency(Battery Mode)	≥87%								
	Efficiency (Line Mode)	>98%								
Battery Voltage	Nominal DC input Voltage	24/48VDC								
	Low Battery Alarm	21VDC±0.6VDC for 24VDC 42VDC±1.2VDC for 48VDC								
	Low DC input shut & down	20VDC±0.6VDC for 24VDC 40VDC±1.2VDC for 48VDC								
	High DC input Alarm & Fault	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 after60s off the output. load>150%,beeps 0.5s every 1s, and Fault after 20s								
	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 ~ 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)	530*400*190mm								
	Net Weight(kg)	30kg			35.5kg			39kg		

◆ Product specifications are subject to change without further notice.

