



## High Performance Off Grid And On Grid Inverter 1KW 2KW 3KW 4KW 5KW 6KW

### Basic Information

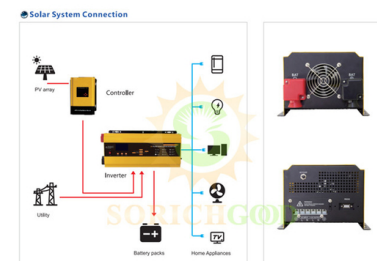
- Place of Origin: China
- Brand Name: GFS
- Certification: CE
- Model Number: HGS6200
- Minimum Order Quantity: 20 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



GFS-PSI W SERIES Low Frequency Pure Sine Wave Off Grid Inverter

### Product Specification

- Rated Power: 1KW, 2KW, 3KW, 4KW, 5KW, 6KW
- AC Input Voltage Range: 160-260VAC
- Output Efficiency:  $\geq 90\%$
- Battery Voltage: 12VDC/24VDC/48VDC (depending On The Model)
- Output Waveform: Pure Sine Wave
- Charging Current: 10A To 90A (adjustable)
- Highlight: **1KW off grid and on grid inverter, 2KW off grid and on grid inverter, 6KW inverter on grid off grid**



GFS-PSI W SERIES Low Frequency Pure Sine Wave Off Grid Inverter-1

## Product Description

### High-Performance Off-Grid Inverters for Both Off-Grid and On-Grid Applications

#### Product Description

This is a high-performance pure sine wave inverter designed for reliable power conversion and battery charging capabilities. It offers an ultra-wide AC input voltage regulation range and supports intelligent digital CPU control for efficient charging. Equipped with robust protection features, including short circuit, over/undervoltage, and temperature control, this inverter ensures safe operation under various conditions. Additionally, its pure sine wave output supports a wide range of loads, including sensitive electronics. The inverter includes built-in AVR voltage stabilization for continuous and stable power output, making it a dependable solution for both off-grid and on-grid applications.

Rated power	1KW 2KW	3KW 4KW	5KW	6KW
INPUT				
Grid input voltage range		160-260VAC		
Grid frequency range		50Hz-60Hz(auto-sensing)		
OUTPUT				
Output voltage	110VAC/120VAC/220VAC/230VAC/240VAC			
Output frequency	50Hz/60Hz			
Output efficiency	≥90%			
Output wave	Pure sine wave			
BATTERY SPECS				
Battery voltage	12VDC/24VDC/48VDC	24VDC/48VDC		48VDC
Battery low-voltage protection	10VDC/20VDC/40VDC	20VDC/40VDC		40VDC
Battery high-voltage protection	16.5VDC/33VDC/66VDC	33VDC/66VDC		66VDC
Batterytype	Leadacid,Gel,lithium battery,customized			
Adjustablebattery charging voltage	Enter custom settings:users can adjust thevoltage independently, applicable to all battery types			
CHARGING CONTROL				
AC charge function	Can be opened or closed at any time			
AC charging current	Small,medium,high,super high(10A-90A)			
Charging mode	Grid priority mode,Battery priority mode.(default without charger/with charger optional)			
Chargingmethod	Lead-acid:three-stage charging,constant current,constant voltage,floating charge Lithium battery:constant current,constant voltage			
GENERALPARAMETERS				
Overload alarm	It will alarm at 110%load,shut down in 1 minute at 120%load,shut down in 3 seconds at 150%load.Automatic shutdown when the load is lower than 8%			
Protection function	Battery undervoltage,overvoltage,short circuit,input too high, input too low,over temperature,low temperature,etc.protection			
4 operation modes	Grid priority mode,batterypriority mode,ener RV priority mode			gysaving mode,
Fan control	Automatically intelligent speed regulation according to the internal temperature of the machine			
Conversion time	<5ms			
Environment temperature	-15℃~50℃			
Peak starting power		3 times		
RS232 communication		Support		
WiFi/GPRS		Support (Optional)		
Mobile APP		Support (Optional)		
SIZE,DXWXH(mm)	470*210*170 560*240*170			
Net weight (kg)	12 15	17 23	26	29

#### Application

This inverter is ideal for powering home appliances, sensitive electronics, and high-demand devices such as refrigerators and pumps. Its grid priority and battery priority modes allow it to efficiently switch between power sources, ensuring constant power delivery. The system is suitable for use in residential setups, RVs, and commercial establishments, with the capability to support parallel operation of up to 9 units, making it scalable for larger power needs.

#### Shipping Methods

Supports global air and sea shipping.





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