



## 3000VA 3000W Smart Hybrid Solar Inverter With Built In MPPT Solar Charge Controller

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: GFS
- Certification: CE
- Model Number: HFPSWHI
- Minimum Order Quantity: 50 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



GFS-HEMIWSERIES High Frequency Pure Sine Wave Hybrid Inverter

### Product Specification

- Rated Power: 3000VA/3000W
- Max PV Input Voltage: 150VDC
- Efficiency (Peak): 98%
- Battery Voltage: 24VDC
- Max Solar Charge Current: 60A
- Operating Temperature: 0°C To 50°C
- Highlight: **3000W smart hybrid solar inverter,  
3000VA smart hybrid solar inverter,  
150V smart hybrid inverter**

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## Product Description

### Smart and Compact Hybrid Inverters with Built-in MPPT Solar Charge Controller

#### Product Description

This is a multi-function inverter/charger, combining function of inverter, solar charger and AC charger to offer uninterruptible power support with portable size. Its comprehensive LCD display offers userconfigurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications.

#### Main Features

- Pure sine wave inverter.
- Built-in MPPT solar charge controller.
- Selectable input voltage range for home appliances and personal computers.
- Selectable charging current based on applications.
- Configurable AC/Solar input priority via LCD setting.
- Compatible to utility or generator.
- Auto restart while AC is recovering.
- Overload and short circuit protection.
- Smart battery charger design for optimized battery performance
- Cold start function.

#### Product Description:

This hybrid inverter is an all-in-one solution that combines the functions of an inverter, solar charger, and AC charger, offering continuous power supply for homes and small businesses. It features a pure sine wave output, making it ideal for sensitive electronics, and comes with a built-in 40A MPPT solar charge controller that supports high PV input voltage ranges. The inverter is equipped with an intuitive LCD screen for user-configurable settings such as battery charging current, AC/solar charger priority, and acceptable input voltage. Its compact design includes advanced features like overload protection, short circuit protection, and auto-restart during power recovery. The product also offers remote monitoring capabilities through WiFi/GPRS, making it convenient for users to track performance in real time.

Rated Powei 3000VA/3000W		
INPUT		
Voltage 230VAC		
Selectable Voltage Range	170-280 VAC(For Personal Computers); 90-280 VAC(For Home Appliances)	
Frequency 50 Hz/60 Hz(Auto sensing)		
OUTPUT		
AC Voltage Regulation (Batt.Mode) 230VAC±5%		
Peak Power 6000VA		
Efficiency (Peak) 93%		
Transfer Time		10 ms (For Personal Computers);
		20 ms(For Home Appliances)
Waveform Pure sine wave		
BATTERY		
<a href="#">Battery Voltage 24VDC</a>		
<a href="#">Floating Charge Voltage 27VDC</a>		
<a href="#">Overcharge Protection 33VDC</a>		
SOLAR CHARGER &AC CHARGER		
Max.ACcharge current 60A		
MAX PV array power 1500W		
MPPT range@operating voltage 30-115VDC		
Maximum PVarray open circuit voltage	145VDC	
Max.Solar charge current	60A	
Maximum efficiency	98%	
PHYSICAL		
Dimension,,D*W*H(mm)	125*300*470	
Net weight(kg)	7	

Communication Interface	RS232	
Optional function	WIFI/4G	
ENVIRONMENT		
Humidity	5%to 95%Relative Humidity (Non-condensing)	
Operating Temperature	0°C-50°C	
Storage Temperature	-15°C-60°C	
Note:can be customized according to customer requirements		

#### Application:

This hybrid inverter is designed for both residential and small commercial applications. It is ideal for off-grid solar systems or as a backup power solution in areas with unreliable grid power. The product is compatible with a wide range of appliances including personal computers, home appliances, and lighting systems, making it perfect for households, small offices, or remote locations. Its built-in MPPT solar charge controller maximizes energy production from solar panels, while the battery management system ensures optimized battery charging and extended lifespan. The product's compact design, combined with smart energy management, makes it an excellent choice for sustainable energy solutions in various settings.

#### Shipping Methods

Supports global air and sea shipping.



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