



## Powerful Hybrid Inverters For LFP Batteries And Multiple Power Generation

### Our Product Introduction

#### Basic Information

- Place of Origin: China
- Brand Name: GFS
- Certification: CE
- Model Number: ESSE
- Minimum Order Quantity: 10 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



GFS-ESS SERIES Energy Storage Battery Integrated System

#### Product Specification

- Maximum Input Power: 5000W To 15000W
- Rated Output Voltage: 220Vac / 380Vac
- Rated Output Frequency: 50Hz / 60Hz (Auto-sensing)
- Conversion Efficiency: 93%
- Battery Capacity: 5.12kWh To 30.72kWh
- MPPT Voltage Range: 120-430VDC
- Highlight: 5000W hybrid inverter for solar system,  
15000W hybrid inverter for solar system,  
220V hybrid inverter system

## Product Description

### Powerful Hybrid Inverters for LFP Batteries and Multiple Power Generation

#### Product Description

This product is a **hybrid inverter** with a built-in MPPT solar controller. It is designed to ensure uninterrupted power supply for home and office equipment, vehicle systems, and solar energy systems. The advanced combination of battery and inverter technology ensures high safety, long service life, and outstanding reliability with high consistency, particularly for LFP (LiFePo4) batteries. It also supports multiple power generation methods, making it suitable for various applications.

#### Lithium Battery Pack Parameters

Cell Specifications	3.2V100Ah	3.2V100Ah	3.2V200Ah	3.2V100Ah	3.2V100Ah	3.2V100Ah	3.2V200Ah
Rated Capacity	5.12KWH	5.12KWH	10.24KWH	10.24KWH	15.36KWH	20.48KWH	30.72KWH
Rated Voltage				51.2V			
Voltage Range			43.2~58.4V				

#### Photovoltaic Input Parameters

Maximum Input Power	5000W	5000w	5000W	5000W	10000W	15000W	15000w
Mppt Voltage Range				120~430VDC			
Photovoltaic Charging Current		0~80A Can Be Set					

#### Ac Output Parameters

Rated Output Power	5000W	5000W	5000W	5000W	10000W	15000W	15000W
Rated Output Voltage	220Vac	220Vac	220Vac	220Vac	220Vac	380Vac	380Vac
Rated Output Frequency	50Hz/60Hz(Auto sensing)						
Conversion Efficiency		93%					

#### System Parameter

Weight(battery box/control box)	40Kg/15Kg	45Kg	80Kg	150Kg	190Kg	265Kg	330Kg
Size (W*H*D)	675*375*400mm	850*480*160mm	1100*480*180mm	1000*600*600mm 1	200*600*600mm	1600*600*600mm	1800*600*600mm
Protection Grade		IP30					
Cooling Method		forced aircooling					
Operating Environment		Charging:0°C~55°C/Discharge:-10°C~60°C					
Installation Method	Stacked	Wall-mounted		Vertical cabi	net type	Verticalcabinet type	
Communication Interface		CAN,RS485,RS232					

#### Application

This hybrid inverter is ideal for use in:

Home and office equipment

Vehicle systems

Solar energy systems for efficient power management

Backup systems for continuous and reliable power during outages



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