



## High-Performance Lithium Battery Storage for Various Energy Storage Needs

### Our Product Introduction

#### Basic Information

- Place of Origin: China
- Brand Name: GFS
- Certification: CE RoHS UN38.3 ISO 9001
- Model Number: ESEE512
- Minimum Order Quantity: 10 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



GFS-ES SERIES Energy Storage Battery Pack

#### Product Specification

- Battery Capacity: 100Ah (supports Parallel Connections)
- Rated Voltage: 51.2V
- Maximum Charging Current: 1C (Continuous)
- Maximum Discharge Current: 1C (Pulse)
- Operating Temperature: Charging: 0°C~55°C / Discharging: -20°C~60°C
- Protection Grade: IP54 (Natural Cooling)
- Highlight: **ip54 lithium battery storage, 100ah lithium battery storage, ip54 commercial energy solutions**

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## Product Description

### High-Performance Lithium Battery Storage for Various Energy Storage Needs

#### Main Features

- High safety and long service life: choose consistent, safe, and reliable LiFePO4 cell;
- Flexible capacity expansion as needed: supports parallel connection of 10 to meet different specifications of electricity demand;
- Communication support CANRS485 and RS2323;
- Integrated design, beautiful, green and environmentally friendly products, non-toxic and pollution-free;
- Can match global mainstream inverters such as Victron, VoltronicSMA, Aiswei, StuderGoodwe, Growatt, etc.

Note:can be customized according to customer requirements

#### Product Description:

This product is a high-performance LiFePO4 battery pack, designed for reliable energy storage applications. It supports multiple parallel connections, making it ideal for expanding capacity as needed. The battery pack offers excellent safety, long service life, and is built with high-consistency, safe, and environmentally friendly materials. It is compatible with various global mainstream inverters and can be used in diverse scenarios where energy storage is required.

Cell type	Lfp Square Cel		
Cell specifications	3.2V100Ah		
Number of battery modules	Supports multiple parallel connections		
Rated capacity	100Ah	200Ah	100Ah
Rated total energy	5.12kWh(single box)	10.24kWh(single box)	5.12kWh
Rated voltage	51.2V		51.2V(optional 48V)
Electrical parameters			
Voltage range	43.2~58.4V		
Standard charging current	0.5C @continuous		
Maximum charging current		1C@pulse	
Standard discharge current	0.5C@continuous		1C@continuous
Maximum dischargecurrent	1C @pulse		2C@pulse
Structural parameters			
weight	40kg (single box)	75kg (single box)	40kg
Size(H*W*D)	490*360*170mm (single box)	720*450*170mm(single box)	482*130*480mm
Protection Grade		IP54	
Cooling method		NaturalCooling	
ambient temperature	Charging:0°C~55°C/Discharge:-20°C~60°C/Storage:-10°C~45°C		
Operating humidity	5-95%,relative humidity		
Communication method	CAN,RS485,RS232		CAN,RS485
Alarm and protection		have	
Indicator light status		Alarm/Run/SOC	
Installation method	Wall-mounted		Rack-mounted

#### Application:

The LiFePO4 battery pack is suitable for energy storage systems in homes, businesses, and industrial applications. It is designed to support photovoltaic (PV) power generation, mains power bypass, and uninterrupted power supply solutions. The product is an excellent fit for renewable energy systems, providing a stable and reliable energy source for inverters.

#### Shipping Methods

Supports global air and sea shipping.



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