



LiFePo4 Battery BESS Battery Energy Storage System With UL Certification

Our Product Introduction

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Basic Information

- Brand Name: QIYUAN
- Certification: UN38.3, IEC
- Model Number: EST100KW-215KWH
- Minimum Order Quantity: 1
- Packaging Details: Container
- Supply Ability: 10 Units/Month



Product Specification

- Ess Container: 20ft
- Certifications: CE, UL, TUV
- Weight: Varies Depending On Model
- Function: Backup Power, Peak Load Shifting
- Cycle Life: Up To 6,000 Cycles
- Warranty: 5 Years
- Model: Energy Storage System
- Battery: LiFePo4
- Highlight: **LiFePo4 BESS Battery Energy Storage System,
LiFePo4 bess storage,
LiFePo4 bess energy storage**

Product Description

Product Description:

This series of products is designed by our company specifically for different inverters, DC loads, and DC power storage applications. The products incorporate safe and reliable LiFePO4 batteries, ensuring good safety and long lifespan. They are structured with a two-tier architecture, consisting of cells, modules, and systems that together create a comprehensive communication and management system. The products operate on a dual-tier architecture in parallel and offer various functions such as remote data acquisition, analysis, control, alarm, and protection. These features make them suitable for a range of industrial and commercial applications where efficient power storage and management are essential for optimal performance.

Features:

Lithium iron phosphate batteries comply with the **CE standard**. They are designed with **product safety features such as no fire risk following thermal runaway, integrated module-level fire protection, and Level 3 fire protection**. The batteries are equipped with **direct parallel connections between clusters, as well as a fault exit mechanism** when operating with **3 or more clusters in parallel**.

Moreover, these batteries are equipped with **remote monitoring and maintenance functions**, making it convenient and efficient to keep track of their performance and address any issues.

With their versatility, they are suitable for both indoor and outdoor applications, providing reliable power solutions for various scenarios.

Applications:

These products are suitable for a variety of mainstream hybrid inverters.

They can also be used for DC loads, energy storage converters, and inverters, making them versatile for different applications.

Additionally, they are ideal for special battery requirements.

Customization:

Product Customization Services for the BESS Battery Energy Storage System:

Brand Name: QIYUAN

Model Number: EST100KW-215KWH

Place Of Origin: China

Certification: UN38.3, IEC

Minimum Order Quantity: 1

Packaging Details: Container/Enclosure

Supply Ability: 10 Units/Month

Communication Protocol: Modbus, CAN, Ethernet

Function: Backup Power, Peak Load Shifting

Fire System: Yes

Certifications: CE, UL, TUV

Warranty: 5 Years

Model	EST050512-100NP	EST100512-200NP	EST160512-200NP	EST241768-200NP
Battery parameters				
Rated Voltage	512VDC	512VDC	512VDC	768VDC
Capacity	51KWH	102KWH	160KWH	241KWH
Charging voltage	552~560VDC	552~560VDC	552~560VDC	828~840VDC
Discharge voltage	448~576VDC	448~576VDC	448~576VDC	672~864VDC
Max charging current	100A	150A	150A	150A
Max discharging current	120A	200A	200A	200A
Battery cycles	90%			
System parameters				
Working temperature	-0~40°C(derate above 440°C)			
Storage temperature	0~40°C			
Humidity	0~95% no condensation			
Control mode	EMS and remote control			
Cooling	Natural air			
Fire protection system	Module-level aerosol			
System protection	With an emergency power-off protection function			
Installation / IP level	Indoor / IP20			
Communication	Ethernet /CAN /RS485			
Altitude	2000m,derate above 2000m			
Dimensions	600*1000*2000	1100*1000*2000		1100*1200*2300
Weight	1100KG	1220KG	2650KG	2930KG
Certification	UN38.3			
Standards	Meets IEC62619 ICE61000			



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