



Maximize Energy Efficiency Energy Storage System Battery CE UL TUV

Our Product Introduction

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Basic Information

- Brand Name: QIYUAN
- Certification: UN38.3, IEC
- Model Number: EST 100KW-215KWH
- Minimum Order Quantity: 1
- Packaging Details: Container
- Supply Ability: 20 Units/Month



Product Specification

- Battery: LiFePo4
- Ess Container: 20ft
- Model: Energy Storage System
- Dimensions: Varies Depending On Model
- Fire System: Yes
- Application: Renewable Energy Integration, Grid Stabilization, Backup Power
- Warranty: 5 Years
- Cycle Life: Up To 6,000 Cycles
- Highlight: **Energy Storage System Battery, 20 ft bess battery energy storage, 20 ft bess battery storage**

Product Description:

This line of products is specifically designed by our company for a wide range of inverters, DC loads, and DC power storage applications. The series incorporates the use of safe and reliable LiFePO4 batteries, known for their excellent safety features and long lifespan. It adopts a two-tier architecture in which cells, modules, and systems work together to establish a comprehensive communication and management system. The parallel architecture further enhances its capabilities, providing functions such as remote data acquisition, analysis, control, alarm, and protection.

Features:

Lithium iron phosphate batteries that conform to the CE standard are available. These batteries ensure product safety by offering integrated module-level fire protection to prevent fires after thermal runaway. Additionally, they are equipped with Level 3 fire protection for added safety. These batteries also feature direct parallel connection between clusters, allowing for efficient operation. When using 3 or more clusters in parallel, there is a fault exit mechanism in place.

In addition to these safety features, these batteries also come with remote monitoring and maintenance functions. This allows users to easily keep track of the battery performance and address any issues that may arise. Moreover, these batteries are versatile and can be utilized in both indoor and outdoor settings, making them suitable for a wide range of applications.

Applications:

- Suitable for a variety of mainstream hybrid inverters.
- Suitable for DC loads.
- Energy storage converters suitable for inverters.
- Special battery applications.

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: 20 Units/Month
- Weight: Varies Depending On Model
- Capacity: Varies Depending On Model
- Cycle Life: Up To 6,000 Cycles
- Warranty: 5 Years
- Dimensions: Varies Depending On Model

Model	EST050512-100WP	EST100512-200WP	EST160512-200WP	EST241768-200WP
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	4000	4000	6000	6000
DOD	80%			
System parameters				
Working temperature	-30~50°C(derate above 50°C)			
Storage temperature	0~40°C			
Humidity	0~95% no condensation			
Control mode	EMS and remote control			
Cooling	Smart HVAC			
Fire protection system	Module-level aerosol / heptafluoropropane			
System protection	With an emergency power-off protection function.			
Installation / IP level	Outdoor / IP54			
Communication	Ethernet / CAN/ RS485			
Altitude	2000m,derate above 2000m			
Dimensions	800*1200*2200	1300*1200*2000		1300*1200*2300
Weight	750KG	1100KG	1450KG	2050KG
Certification	UN38.3			
Standards	Meets IEC62619 ICE61000			



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