



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

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

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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