



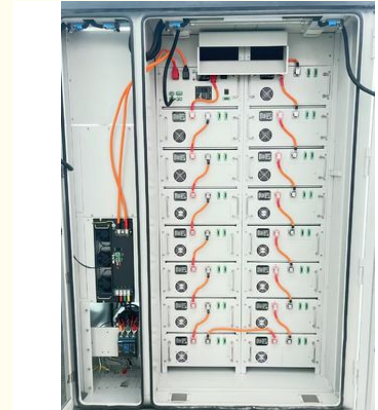
Peak Load Shifting Made Easy All In One Energy Storage System

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: 5 Units/Month



Product Specification

- Dimensions: Varies Depending On Model
- Function: Backup Power, Peak Load Shifting
- Ess Container: 20ft
- Cycle Life: Up To 6,000 Cycles
- Certifications: CE, UL, TUV
- Model: Energy Storage System
- Capacity: Varies Depending On Model
- Communication Protocol: Modbus, CAN, Ethernet
- Highlight: **All In One Energy Storage System,
Made Easy bess storage system ,
Peak Load Shifting Energy Storage System**



Product Description

Product Description:

This series of products is our company's series specifically designed for various inverters, DC loads, and DC power storage. This series uses safe and reliable LiFePO₄ batteries. It features good safety and long life. It uses a two-tier architecture, with cells, modules, and systems forming a complete communication and management system. It has a two-tier architecture in parallel. It has the functions of remote data acquisition, analysis, control, alarm, and protection.

Features:

Lithium iron phosphate batteries are compliant with the CE standard.

Product safety is ensured through features such as:

No fire risk after thermal runaway

Integrated module-level fire protection

The batteries are equipped with Level 3 fire protection and have a direct parallel connection between clusters. With 3 or more clusters in parallel, there is also a fault exit mechanism in place for added safety. Furthermore, the batteries offer remote monitoring and maintenance functions, making them suitable for use in both indoor and outdoor environments.

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: 5 Units/Month

Warranty: 5 Years

Application: Renewable Energy Integration, Grid Stabilization, Backup Power

Weight: Varies Depending On Model

Battery: LiFePo₄

Voltage: 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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