



98% Efficiency BESS Battery Energy Storage System With Up To 6000 Cycles

Our Product Introduction

for more products please visit us on batteriesback-up.com

Basic Information

- Brand Name: QIYUAN
- Certification: UN38.3, IEC
- Model Number: EST100KW-215KWH
- Minimum Order Quantity: 1
- Packaging Details: Container
- Supply Ability: 20 Units/Month



Product Specification

- Function: Backup Power, Peak Load Shifting
- Communication Protocol: Modbus, CAN, Ethernet
- Battery: LiFePo4
- Certifications: CE, UL, TUV
- Model: Energy Storage System
- Ess Container: 20ft
- Voltage: Varies Depending On Model
- Cycle Life: Up To 6,000 Cycles
- Highlight: **98% Efficiency bess battery ,
6000 Cycles BESS Battery Storage System,
98% Efficiency bess system**

Product Description

Product Description:

This series of products is a specialized line from our company designed for a range of inverters, DC loads, and DC power storage applications. Powered by safe and dependable LiFePO₄ batteries, this series is known for its excellent safety features and extended lifespan.

The design incorporates a two-tier architecture, where cells, modules, and systems work together to create a comprehensive communication and management system. Operating in parallel, this system offers remote data acquisition, analysis, control, alarm functionalities, as well as protection features.

Product Features

Features:

Lithium iron phosphate batteries are compliant with the CE standard. They ensure product safety through features such as no fire occurrence after thermal runaway and integrated module-level fire protection. They are equipped with Level 3 fire protection and have direct parallel connections between clusters.

When operating with 3 or more clusters in parallel, these batteries incorporate a fault exit mechanism. Additionally, they offer remote monitoring and maintenance functions, making them suitable for various scenarios including 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: 20 Units/Month

Voltage: Varies Depending On Model

Dimensions: Varies Depending On Model

Application: Renewable Energy Integration, Grid Stabilization, Backup Power

Battery: LiFePo₄

Function: Backup Power, Peak Load Shifting

Model	EST050512-100WP	EST100512-200WP	EST160512-200WP	EST241768-200WP
Battey 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			



Ningbo Qiyuan New Energy Co., Ltd



18858073356



tony@qygen.com



batteriesback-up.com