



20ft Container Commercial Energy Storage Systems GES100KW-215KWH

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: 200 Units/Month



Product Specification

- Voltage: Varies Depending On Model
- Communication Protocol: Modbus, CAN, Ethernet
- Capacity: Varies Depending On Model
- Model: Energy Storage System
- Dimensions: Varies Depending On Model
- Ess Container: 20ft
- Function: Backup Power, Peak Load Shifting
- Efficiency: Up To 98%
- Highlight: **20ft Commercial Energy Storage, 100KW Commercial Energy Storage Systems, 215KWH bess system**

Product Description

Product Description:

This series of products is designed specifically for inverters, DC loads, and DC power storage by our company. Utilizing safe and reliable LiFePO₄ batteries, this series is characterized by excellent safety and durability. The product is structured with a two-tier architecture, consisting of cells, modules, and systems that together create a comprehensive communication and management system. Additionally, it operates with a parallel two-tier architecture and offers remote data acquisition, analysis, control, alarm, and protection functions.

Product Features

Features:

Lithium iron phosphate batteries meet the CE standard.

Product safety No fire after thermal runaway and integrated module-level fire protection;

Equipped with Level 3 fire protection;

With direct parallel connection between clusters;

3 or more clusters in parallel, with fault exit mechanism;

Remote monitoring and maintenance functions;

Fit both indoor and outdoor scenarios.

Applications:

Suitable for a variety of mainstream hybrid inverters.

Suitable for DC loads, energy storage converters, and inverters.

Designed for special battery applications.

Customization:

Product Customization Services for the BESS 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

Supply Ability: 20 Units/Month

Model: Energy Storage System

Communication Protocol: Modbus, CAN, Ethernet

Certifications: CE, UL, TUV

Battery: LiFePo₄

Application: Renewable Energy Integration, Grid Stabilization, Backup Power

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			



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