



20ft BESS Battery Energy Storage System 500kw Lifepo4 ESS Storage

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Qiyuan
- Certification: CE, IEC, MSDS, UN3536
- Model Number: ESS500-480-1MWH
- Minimum Order Quantity: 1
- Price: USD/CNY, Unit
- Packaging Details: container
- Delivery Time: 1-2 months
- Payment Terms: L/C, T/T
- Supply Ability: 2 sets per month



Product Specification

- Enclosure: Container, Or Customized
- Capacity: 500KWH Up To 1.37 MWH
- PCS Power: 500KW
- Battery: LiFePo4
- Module: 51.2V 105AH
- Output Voltage: 380/400/415VAC
- Discharge: 0.5C/1C
- HVAC: Yes
- Fire System: Yes
- Dimension: 20 Feet Container With Shipping Certificate
- Shipping: Battery In The Container
- UN Code: UN3536
- Highlight: **20ft BESS Battery Energy Storage System, 500kw ess storage, lifepo4 ess storage**

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Product Description

ESS series BESS system provides integrated energy storage technology, serves perfectly for commercial and industrial energy storage application.

- Provide a cost-effective way to store excess energy generated by renewable sources.
- Can store excess electricity generated by renewable energy sources such as solar or wind farms, allowing it to be used at a later time when these sources are not available.
- BESS can provide backup power during outages or extreme weather events, reducing the need for costly distribution upgrades or emergency generators.
- Assist in load leveling and grid support, helping to balance fluctuations in electricity demand throughout the day and reduce congestion on the grid.
- Bess can improve power quality by smoothing out voltage fluctuations that may otherwise disrupt equipment operations.
- Easy to install, making them a popular choice for businesses and homeowners looking for reliable energy storage systems.

| Model | ESS500-380-1290 | ESS500-380-1350 |
|-----------------------------|----------------------|-----------------|
| Rated output power | 500KW | 500KW |
| Rated grid voltage | 380/400/415V | |
| Input voltage range | 320~460VAC | |
| Output voltage range | 380/400/415VAC | |
| Frequency | 50/60HZ | |
| AC pattern | 3W+N+PE | |
| Grid switching time | <20ms | |
| System voltage | 768 | 810 |
| Battery module model | 51.2V210Ah | |
| Battery cluster capacity | 161.3 | 172 |
| No. of paralleled clusters | 8 | |
| EMS | Yes | |
| Dry pipe fire extinguishing | Yes | |
| Fire alarm | Yes | |
| Fire alarm | Yes | |
| HVAC | Yes | |
| Access control | Yes | |
| Remote control | Yes | |
| Peak-valley calculation | Yes | |
| Communication | CAN,RS485 | |
| Protection value | IP54 | |
| PCS unit cooling | Forced air | |
| Working temperature | -30~55°C | |
| Maintenance | External maintenance | |
| Dimension | 6058*2400*2900 | |
| Weight MT | 24 | 26 |



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