



## 500kwh Outdoor BESS Energy Storage Lifepo4 ESS Battery

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: Qiyuan
- Certification: CE, IEC, MSDS, UN3536
- Model Number: ESS500-480-500kWH
- 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: **500kwh bess energy storage, outdoor bess energy storage, lifepo4 ess battery**

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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, popular choice for commercial and industrial power solutions.

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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