



RICHGOOD ENERGY CO.,LTD

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## Advanced Distributed Energy Storage System With Ethernet Communication Protocols UL Certifications

Our Product Introduction

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### Basic Information



All-in-one Liquid-cooled ESS Cabinet -E233LS

### Product Specification

- Efficiency: 90%
- Certifications: UL, CE, TUV, RCM, Fronius, SMA, Enphase
- Communication Protocols: Wi-Fi, Ethernet, Zigbee
- Chemistry: Lithium-ion
- Dimensions: 45.3 X 29.6 X 5.75 Inches
- Weight: 251.3 Lbs
- Operating Temperature: -4°F To 122°F
- Compatible Inverters: SolarEdge, Fronius, SMA, Enphase
- Highlight: **Advanced Distributed Energy Storage System,  
Ethernet Communication Energy Storage  
System  
, UL Certification Energy Storage System**

## Product Description

### Product Description:

The Domestic Battery Energy Storage product offers a reliable solution for storing energy in residential settings. With a capacity of 13.5 KWh, this energy storage system provides homeowners with the ability to store excess energy generated from renewable sources such as solar panels. This not only helps reduce electricity bills but also promotes sustainability by maximizing the use of clean energy.

Operating within a wide temperature range of -4°F to 122°F, the energy storage system is designed to withstand various climatic conditions, ensuring consistent performance throughout the year. Whether it's the peak of summer or the depths of winter, this system remains operational, providing a seamless energy storage solution for households.

The voltage range of 350-450 V allows for efficient energy transfer and utilization within the system. This optimized voltage range ensures that energy is stored and retrieved with minimal losses, enhancing the overall efficiency of the system. With an efficiency rating of 90%, users can trust that the energy storage system maximizes the use of stored energy, further contributing to cost savings and environmental benefits.

Weighing 251.3 lbs, this compact and portable Container Energy Storage System can be easily installed in homes without taking up excessive space. Its lightweight design enables flexible placement options, making it suitable for various residential setups. The system's user-friendly interface and installation process ensure a hassle-free experience for homeowners looking to adopt distributed energy storage solutions.

In addition to its primary function of storing energy, this Distributed Energy Storage System offers advanced features such as smart energy management and remote monitoring capabilities. Users can track their energy consumption, optimize energy usage patterns, and remotely control the system through a convenient mobile app or web interface. This level of control and visibility empowers homeowners to make informed decisions about their energy usage, ultimately leading to greater efficiency and cost savings.

Overall, the Domestic Battery Energy Storage product combines efficiency, reliability, and convenience to provide homeowners with a sustainable and cost-effective energy storage solution. With its robust design, wide operating temperature range, optimized voltage, and advanced features, this system is a valuable asset for residential properties looking to enhance their energy independence and reduce their environmental footprint.

### Technical Parameters:

Chemistry	Lithium-ion
Communication Protocols	Wi-Fi, Ethernet, Zigbee
Compatible Inverters	SolarEdge, Fronius, SMA, Enphase
Weight	251.3 Lbs
Warranty	10 Years
Voltage	350-450 V
Dimensions	45.3 X 29.6 X 5.75 Inches
Power	7 KW Continuous, 5 KW Peak
Certifications	UL, CE, TUV, RCM, Fronius, SMA, Enphase
Efficiency	90%

### Applications:

A Container Energy Storage System equipped with a Lithium-ion battery is a versatile solution for various application occasions and scenarios. With a voltage range of 350-450 V and an impressive efficiency of 90%, this energy storage product is designed to meet the demanding requirements of different settings.

One key application scenario for this energy storage system is in residential settings. Homeowners looking to reduce their reliance on the grid and lower their electricity bills can benefit from installing this Battery Energy Storage System. The system can store excess energy generated from solar panels during the day for use during peak hours or in case of power outages.

For commercial and industrial settings, the Container Energy Storage System offers a reliable power backup solution. With communication protocols such as Wi-Fi, Ethernet, and Zigbee, the system can be easily monitored and controlled remotely. This is especially useful in critical industries where uninterrupted power supply is crucial.

In the renewable energy sector, this energy storage product plays a vital role in stabilizing the grid and ensuring a seamless integration of solar and wind power. The Lithium-ion chemistry provides high energy density and long cycle life, making it a sustainable choice for energy storage applications.

With dimensions of 45.3 X 29.6 X 5.75 inches, the Container Energy Storage System can be easily integrated into existing infrastructure without taking up much space. Whether it's for residential, commercial, or industrial use, this energy storage product offers a reliable and efficient solution for storing and managing electricity.

### Customization:

Customize your Distributed Energy Storage System with our Product Customization Services for the Energy Storage product. Enhance your energy solutions with tailored options for the Powerwall model.

Our Energy Storage product comes with various certifications including UL, CE, TUV, RCM, Fronius, SMA, and Enphase, ensuring safety and quality standards for Industrial and Commercial Energy Storage applications.

Communicate seamlessly with different devices using Wi-Fi, Ethernet, and Zigbee protocols, making integration with existing systems effortless.

Operate within the voltage range of 350-450 V and achieve an efficiency of 90%, optimizing energy usage and reducing costs for your energy storage needs.

**Support and Services:**

Our Energy Storage product comes with comprehensive Product Technical Support and Services to ensure smooth operations and optimal performance. Our team of experts is available to assist you with installation, configuration, troubleshooting, and maintenance of the system. Additionally, we offer training programs to help you maximize the benefits of your energy storage solution. Our goal is to provide you with the support you need to make the most out of your investment and achieve your energy storage goals.



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