

6.9MWh Energy Storage Container System

Model: HJ-G0-6900L Power: 6.9MWh

Summary

HighJoule 6.9MWh Energy Storage Container (HJ-G0-6900L) is a 20ft integrated solution with LiFePO₄ cells. Delivering 6.9MWh capacity, it enables renewable energy integration, grid stabilization & industrial load management—safe, efficient, and ready for rapid deployment.



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Product Features

6.9 MWh High-Capacity Storage

Lithium Iron Phosphate (LiFePO₄) battery with 6.9 MWh rated capacity, ensuring reliable long-term energy supply for large-scale commercial and industrial applications.

Rugged Outdoor Design

IP54 protection rating, resistant to dust and water ingress, and designed to operate in harsh outdoor conditions (-30°C~50°C and 5%-95% humidity).

Modular & Scalable

Compact 20ft container design with scalable energy storage capacity, ideal for expansion as energy demands grow.

Integrated & Efficient Design

Includes BMS, EMS, and liquid cooling system for enhanced efficiency and long lifespan, reducing installation time and operational costs.

High Efficiency

Utilizes liquid cooling for optimized performance, with less than 3% self-discharge rate per month, ensuring consistent energy delivery with minimal loss.

Intelligent Monitoring & Control

Equipped with LAN, CAN, RS485 communication protocols and Modbus TCP for real-time monitoring and remote management of energy storage performance.

Safety & Durability

Features multi-layer protection with advanced cooling and fire suppression systems to ensure operational safety and extend system lifespan.

Flexible Energy Applications

Ideal for renewable energy integration, peak shaving, and backup power. Compatible with both grid-tied and off-grid systems, enhancing flexibility in diverse energy setups.

Technical Parameters

Model Number	HJ-G0-6900L
Battery Type	lithium iron phosphate (LiFePO4)
Rated Capacity	6.9 MWh
Cell Specification	LFP 3.2V/688Ah
Soc Estimation Accuracy	≤5%
Self-discharge rate / month	≤3%
IP Protection Rating	IP54
Weight (Kg)	40,000
Cooling Method	Liquid cooling
Noise level	

Application

The HighJoule 6.9MWh Energy Storage Container (HJ-G0-6900L) – with its 20ft compact container design for rapid deployment, 6.9MWh large capacity, and LiFePO4 battery safety – is ideal for integrating with solar/wind farms to store renewable energy (supported by liquid cooling for stable operation in diverse climates); its low noise (

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