

# 6.9MWh Energy Storage Container System

Model: HJ-G0-6900L    Power: 6.9MWh

## Summary

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HighJoule 6.9MWh Energy Storage Container (HJ-G0-6900L) is a 20ft integrated solution with LiFePO<sub>4</sub> cells. Delivering 6.9MWh capacity, it enables renewable energy integration, grid stabilization & industrial load management—safe, efficient, and ready for rapid deployment.



*6.9MWh Energy Storage Container System (HJ-G0-6900L)*

## Product Features

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### 6.9 MWh High-Capacity Storage

Lithium Iron Phosphate (LiFePO<sub>4</sub>) 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

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

## Application

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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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