

# 5MWh Energy Storage Container System

Model: HJ-G0-5000F    Power: 5MWh

## Summary

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The HJ-G0-5000F is a 5 MWh lithium iron phosphate (LFP) energy storage system, designed for reliability in harsh environments. With LFP 3.2V/314Ah cells,  $\leq 3\%$  self-discharge, and  $\leq 5\%$  SOC accuracy, it offers efficient energy management. Its IP54-rated enclosure and air-cooled design ensure optimal performance in extreme conditions. Ideal for industrial applications, microgrids, and telecom base stations, it integrates seamlessly via Modbus TCP and fits in a 40ft container.



*5MWh Energy Storage Container System (HJ-G0-5000F)*

## Product Features

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### High-Capacity Storage

5000kWh lithium-ion battery for reliable, long-term energy storage and backup, ensuring seamless power supply during peak hours or outages.

### Outdoor-Ready Design

IP54-rated housing with robust weather resistance, built to handle extreme temperatures, heavy downpours and hostile outdoor conditions.

### Modular & Scalable

Simplistic, easy-to-expand modular structure with parallel connections, ideal for evolving energy storage needs and large-scale deployments.

### All-in-One Cabinet

Integrated Battery Management System (BMS), Energy Management System (EMS), fire suppression and temperature management for enhanced performance and reliability.

### Fast Deployment

Simplified plug-and-play installation enables rapid deployment, reducing setup time and off-site preparation for quick energy storage integration.

### Smart Monitoring

Real-time remote monitoring with fault notifications and system status reports via a smart EMS platform for efficient operation management.

### Comprehensive Safety Design

Advanced safety features including thermal runaway protection, emergency shutdown and built-in fire suppression for maximum security.

### Multi-Scenario Application

Perfect for telecom base stations, remote sites, microgrids and emergency backup power, delivering guaranteed sustainable energy for diverse industries.

## Technical Parameters

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<b>Model Number</b>	<b>HJ-G0-5000F</b>
<b>Battery Type</b>	<b>Lithium iron phosphate</b>
<b>Rated Capacity</b>	<b>5 MWh</b>
<b>Cell Specification</b>	<b>LFP 3.2V/314Ah</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>33,000</b>
<b>Cooling Method</b>	<b>Air-cooled</b>
<b>Noise level</b>	

## Application

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The HJ-G0-5000F is a 5 MWh lithium iron phosphate (LFP) energy storage system featuring LFP 3.2V/314Ah cells, with a ≤3% monthly self-discharge rate. IP54-rated for outdoor use, its rugged, air-cooled design and

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