

6.25MWh Energy Storage Container System

Model: HJ-G0-6250L Power: 6.25MWh

Summary

The HJ-G0-6250L 6.25 MWh Energy Storage Container System offers efficient energy storage for renewable energy, backup power, and grid stabilization. With LFP 3.2V/587Ah batteries and liquid cooling, it provides reliable power for both on-grid and off-grid applications. Ideal for remote locations, industrial sites, and critical infrastructure, it ensures optimized energy management through integrated BMS, EMS, and PCS.



6.25MWh Energy Storage Container System (HJ-G0-6250L)

Product Features

High-Capacity Storage

6.25 MWh energy capacity using LFP 3.2V/587Ah cells, built for stable and long-term power support in industrial and commercial environments.

Advanced Liquid Cooling

Integrated liquid cooling system ensures consistent thermal control, improving battery life and system reliability under heavy-duty cycles.

Weather-Resistant Design

IP54-rated enclosure with anti-corrosion treatment; designed to perform in outdoor conditions from -30°C to 50°C and 5%-95% humidity (non-condensing).

Modular & Expandable

System supports parallel connection and scalable deployment, allowing easy expansion to meet future energy growth.

All-in-One Integrated System

20ft containerized unit that combines BMS, EMS, PCS, and fire protection in a compact footprint, reducing installation time and complexity.

High Energy Efficiency

Delivers up to 98.4% efficiency, helping minimize system losses and increase usable power across applications.

Remote Monitoring & Control

Equipped with LAN, CAN, and RS485 ports; compatible with Modbus TCP for real-time monitoring and remote diagnostics via EMS.

Comprehensive Safety Features

Includes aerosol-based and cabinet-level fire suppression, fault detection, and fast response switching to off-grid mode under 10ms.

Flexible Grid Connectivity

Designed for both on-grid and off-grid setups; supports peak shaving, solar self-consumption, and backup power for critical operations.

Technical Parameters

Model Number	HJ-G0-6250L
Battery Type	lithium iron phosphate (LiFePO4)
Rated Capacity	6.25 MWh
Cell Specification	LFP 3.2V/587Ah
Soc Estimation Accuracy	≤5%
Self-discharge rate / month	≤3%
IP Protection Rating	IP54
Weight (Kg)	36,000
Cooling Method	Liquid Cooled
Noise level	

Application

The HJ-G0-6250L 6.25 MWh Energy Storage Container System offers a reliable, high-efficiency energy solution for various applications. Ideal for renewable energy storage, it efficiently stores solar and wind power for later use, balancing grid demand and reducing fossil fuel dependency. The system is perfect for off-grid sites, providing uninterrupted power for remote locations, mining, or disaster recovery. It also supports backup power, peak shaving, and grid stabilization, ensuring continuous operation for critical infrastructure. With integrated BMS, EMS, and PCS, the system enables seamless energy management, optimizing costs and performance across industrial and commercial operations.

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