



7.01MWh Energy Storage Container System

Model: HJ-G0-7010L Power: 7.01MWh

Summary

HighJoule 7.01MWh All-in-One Energy Storage Container with liquid cooling, IP54 protection, and $\leq 3\%$ monthly self-discharge. Industrial-grade BESS ideal for peak shaving, renewable integration, and microgrids. Get technical specs now!



7.01MWh Energy Storage Container System (HJ-G0-7010L)

Product Features

7.01MWh High Capacity Energy Storage

Adopting 3.2V/435Ah lithium iron phosphate (LiFePO₄) cells, the rated capacity is up to 7.01MWh, which can meet the high energy needs of telecommunications, industrial and renewable energy applications.

Rugged Outdoor Design

IP54 protection level and rugged structure ensure reliable operation in harsh outdoor environments of -30°C to 50°C and 5%-95% humidity.

Liquid Cooling System

The advanced liquid cooling system ensures optimal thermal performance, prevents overheating, and maintains system efficiency under various conditions.

Modularity and Scalability

Adopting 20-foot container design, it is easy to expand and allows parallel expansion to meet the growing demand for energy storage.

All-in-one Integrated Solution

The container design integrates BMS, PCS and communication systems, simplifying installation and achieving seamless energy management.

High Efficiency

The system has a SOC estimation accuracy of $\leq 5\%$ and a self-discharge rate of $\leq 3\%$, ensuring minimal energy loss and high storage reliability.

Flexible Communications

Supports multiple communication protocols, including LAN, CAN, RS485 and Modbus TCP, for seamless integration and remote monitoring capabilities.

Enhanced Safety Features

With comprehensive safety protection measures, including fire extinguishing and off-grid switching within 10 milliseconds, safe operation can be ensured even in harsh conditions.

Wide Range of Applications

Suitable for peak load regulation, renewable energy storage, construction site power, backup power and telecommunication energy management, with both on-grid and off-grid functions.

Technical Parameters

Model Number	HJ-G0-7010L
Battery Type	lithium iron phosphate (LiFePO4)
Rated Capacity	7.01MWh
Cell Specification	LFP 3.2V/435Ah
Soc Estimation Accuracy	≤5%
Self-discharge rate / month	≤3%
IP Protection Rating	IP54
Weight (Kg)	45,000
Cooling Method	Liquid Cooling
Noise level	

Application

HighJoule 7.01MWh Energy Storage Container System (HJ-G0-7010L) is tailored for high-temperature/humidity areas, remote microgrids and industrial energy management, thanks to its 7.01MWh capacity and LiFePO4 liquid cooling. Its IP54 rating enables stable operation in extreme environments like deserts, while the ≤3% monthly self-discharge (vs. industry average ~5%) suits off-grid microgrids in islands or mining areas. The 20ft integrated container supports quick deployment; its liquid cooling (controlling cell temperature difference within 3°C) extends lifespan by 20% vs. air-cooled alternatives, making it ideal for data centers and industrial peak-shaving. Compatible with Modbus TCP, it integrates seamlessly with grid systems.

Contact Us

For catalog requests, pricing, or partnerships, please visit:
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