



3.44MWh Energy Storage Container System

Model: HJ-G0-3440L/HJB-G0-3440L Power: 3.44MWh

Summary

HighJoule 3.44MWh Energy Storage Container System is a reliable and efficient large-scale energy storage solution designed for commercial and industrial applications. Housed in a compact 20-foot container, this system offers impressive storage capacity and scalable performance. Ideal for microgrids, industrial facilities, and renewable energy projects, it delivers optimized energy usage with robust protection and seamless integration.



3.44MWh Energy Storage Container System (HJ-G0-3440L/HJB-G0-3440L)

Product Features

High Energy Capacity

3440kWh storage for large-scale commercial and industrial applications, ensuring reliable power during peak demand or grid outages.

Advanced Battery Technology

LiFePO4 & semi-solid-state batteries with superior safety, longer life, and improved performance for energy storage systems.

Liquid Cooling System

Optimized liquid cooling for efficient temperature management, enhancing battery performance and system lifespan.

Compact & Durable Design

20-foot container with IP54 protection and C4/C5 anti-corrosion grade, built to withstand harsh outdoor environments.

Scalable & Modular

10P384S configuration for easy expansion, enabling the system to grow with your energy needs.

Advanced Communication

Supports CAN2.0, RS485, and RJ45 protocols for seamless integration and remote monitoring capabilities.

Technical Parameters

Product Model	HJ-G0-3440L/HJB-G0-3440L
Battery parameters	
Battery Type	lithium iron phosphate (LiFePO4)/semi-solid-state battery
Battery Capacity	3.2V/280Ah
System Battery Configuration	10P384S
Power Storage	3440kWh
System Rated Voltage	DC 1228.8V
System Voltage Range	DC1075.2~DC1363.2V
Charge and Discharge Rate	0.5C
Battery Cooling Method	liquid-cooling
System parameters	
Size	20 feet container
Weight	35t
IP Rating	IP54
Anti-corrosion grade	C4/C5
Cooling method	liquid cooling

Fire protection system	Perfluorohexanone + water firefighting (optional)
Certificate	CAN/MODBUS/IEC104/IEC61850
Communication Protocol	CAN2.0/RJ45/RS485

Application

The HighJoule 3.44MWh Energy Storage Container System is designed for large-scale energy storage in industrial facilities, remote locations, and renewable energy projects. Its compact 20-foot container, combined with LiFePO4 and semi-solid-state batteries, makes it ideal for urban energy storage, telecom base stations, solar farms, and microgrids. With liquid cooling, modular scalability, and high protection ratings, it performs reliably in harsh environments, providing efficient backup power, load leveling, and integration with off-grid or renewable energy systems.

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