

112kWh Outdoor Energy Storage Cabinet with Lithium-ion Batteries

Model: HJ-G50-112F Power: 50KW/112KWh

Summary

The 112kWh outdoor energy storage system offers a robust, weatherproof solution for backup and off-grid power. Designed for flexibility and fast deployment, it's ideal for telecom, remote infrastructure, and emergency applications.



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Product Features

High-Capacity Storage

112kWh lithium iron phosphate (LFP) battery for stable, long-lasting power supply.

Outdoor-Ready Design

IP54-rated cabinet with active thermal management for harsh weather and temperature extremes.

Modular & Scalable

Supports parallel connection for flexible system expansion based on project needs.

All-in-One Cabinet

Integrated BMS, EMS, fire suppression, and air conditioning — fully pre-assembled and tested.

Fast Deployment

Plug-and-play installation with minimal on-site work, ideal for time-sensitive deployments.

Smart Monitoring

Remote operation, real-time fault alerts, and system status via intelligent EMS platform.

Comprehensive Safety Design

Multi-layer protection including thermal runaway detection, emergency shutdown, and fire suppression system.

Multi-Scenario Application

Suitable for telecom base stations, remote sites, microgrids, and emergency backup.

Technical Parameters

Product Parameters

Model	HJ-G50-112F
Item	Specification
Energy Storage Outdoor Cabinet	Including cabinet, battery bracket, battery tray, lighting, etc., fire protection system, protection grade: IP55
Battery PACK	51.2V/314Ah air-cooled battery PACK, with BMS slave control system, cooling fan
Battery High Voltage Box	Including BMS master module and BMS, fan power supply management, battery PACK power supply management
PCS	Grid-connected, rated AC output power 50KW
Power Distribution System	In-cabinet power distribution system, including auxiliary power supply system and utility input interface
Air Conditioning System	Rated cooling capacity: 2KW, door-mounted cooling/heating unit
EMS	EMS local management system

Installation Instructions

The system is designed for easy installation in both

residential and commercial environments. Professional installation services are available to ensure optimal setup, and comprehensive user manuals are provided to guide users through every step of the installation process.

After-Sales Support

Our customer support team is available 24/7 to assist with any questions or issues regarding installation, operation, or maintenance. The system comes with a 5-year warranty, ensuring peace of mind for all users.

Application

This energy storage system is ideal for remote areas such as mountains, islands, border outposts, and other off-grid or weak-grid locations. When integrated with solar PV, it can reliably power telecom stations, weather monitoring units, rural clinics, and other essential infrastructure. Additionally, it serves as a dependable emergency backup during grid outages or natural disasters, ensuring uninterrupted operation of critical equipment.

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