

Outdoor Cabinet Series C&I Energy Storage System

HJ-ESS-372L

Application Scenario

Suitable for energy-intensive agricultural operations such as greenhouse farming, aquaculture, and irrigation systems, ensuring stable energy supply to maintain optimal productivity.

Suitable for factories and production plants where energy consumption fluctuates significantly, providing stable power supply and minimizing downtime.

Ideal for building independent energy networks, such as microgrids, reducing dependency on centralized grids and enhancing energy autonomy.

The system is equipped with multiple safety features, including fire suppression, thermal runaway prevention, and real-time diagnostics, ensuring continuous safe operation.



Liquid Cooling Technology for Efficient Heat Dissipation

The liquid cooling system provides more efficient heat dissipation compared to traditional air cooling, ensuring stable performance under high-load conditions and extending the lifespan of the equipment.



Smart Energy Optimization

An optional built-in AI energy management system automatically adjusts power distribution based on real-time consumption, optimizing energy use and minimizing waste.



Compact and Space-Saving Design

The system's compact design allows for optimal layout and installation, even in limited industrial spaces, despite its large capacity.



Enhanced Safety Mechanisms

The system is equipped with multiple safety features, including fire suppression, thermal runaway prevention, and real-time diagnostics, ensuring continuous safe operation.

Description

The HJ-ESS-372L is a high-performance liquid-cooled energy storage system, designed for large-scale outdoor commercial and industrial applications. Equipped with 150KW of power output and an energy storage capacity of 372KWh, this system manages power with efficiency, cuts energy costs, and can easily integrate with renewable energy sources. With its liquid cooling technology and high-power configuration, it assures heightened safety and performance for industries that often have fluctuating power needs, especially for areas with unstable grid connections

HJ-ESS-372L (150KW/372KWh)			
DC Parameters		AC Parameters	
Battery Type	Lithium Iron Phosphate	AC Side Rated Power	150KW
Cell Capacity	3.2V/280Ah	AC Side Maximum Power	165KW
System Battery Configuration	1P416S	Cable Total Harmonic Distortion Rate	At Rated Power <3%
Rated Battery Capacity	372kWh	Rated AC Side Voltage	380V AC
Battery Voltage Range	DC1165-1500V	Communication Access Method	3P+N+PE
Charging And Discharging Rate	0.5C	Rated Grid Frequency	50/60Hz
Discharge depth	80%	Power Factor Range	0.98
Battery Cooling Method	liquid Cooling	Off-Grid Operation	Support
System Parameters			
Size W*D*H	1400*1300*2350mm (Reference)	Temperature Control Method	Liquid cooling unit
IP Code	IP65	Fire Protection Plan	Aerosol, perfluorohexanone
System Communication Protocol	Standard: Modbus	Communication Interface	RS485, RJ45

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