

# Outdoor Cabinet Series C&I Energy Storage System

HJ-ESS-261L

## Application Scenario

### Farms and Estates

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

### Microgrid Solutions

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

### Industrial Facilities with High Power Demands

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

### Data Centers and IT Infrastructure

Ideal for data centers and other IT infrastructures that require uninterrupted, high-performance power solutions to ensure business continuity.



## Description

The HJ-ESS-261L is a high-performance liquid-cooled energy storage system, designed for large-scale outdoor commercial and industrial applications. Equipped with 125KW of power output and an energy storage capacity of 261 KWh, 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.



### 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.



### 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.



### 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.



DC Parameters		AC Parameters	
Battery Type	Lithium Iron Phosphate	AC Side Rated Power	125KW
Cell Capacity	3.2V/314Ah	AC Side Maximum Power	135KW
System Battery Configuration	1P260S	Cable Total Harmonic Distortion Rate	At Rated Power <3%
Rated Battery Capacity	261.248KWh	Rated AC Side Voltage	380V AC
Battery Voltage Range	DC600-1000V	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	1200*1400*2400mm (Reference)	Temperature Control Method	Liquid Cooling unit
IP Code	IP55	Fire Protection Plan	Aerosol, perfluorohexanone
System Communication Protocol	Standard: Modbus	Communication Interface	RS485, RJ45

**\*Product configuration can be customized according to customer needs.**

## Contact Us

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