

Liquid-Cooled Commercial Energy Storage System

HJ-ESS-DESL Series

Application Scenario

Commercial and Industrial Energy Storage: Ideal for managing energy use in factories, data centers, shopping malls, and office buildings.

Renewable Energy Integration: Perfect for large-scale solar and wind energy storage, optimizing renewable energy usage and reducing grid dependency.

Peak Shaving and Load Management: Helps businesses reduce electricity bills by storing energy during off-peak times and utilizing it during peak periods.



Liquid-Cooled System

Advanced liquid-cooling technology ensures consistent temperature control, enhancing system stability and extending battery life.



Long Service Life

Built for a 20-year operational lifespan, offering long-term and reliable energy solutions.



Smart Energy Management

Integrated with intelligent energy management systems for seamless operation with grid or renewable energy sources



Scalable Capacity

Provides flexible energy storage solutions, ranging from 372KWh to 1860KWh, easily adaptable to different commercial needs



High Efficiency

Delivers optimal charge and discharge performance with a cycle life of over 6000 cycles at 80% depth of discharge (DOD)



Enhanced Safety

Equipped with multiple safety protections such as overcharge, over-discharge, short circuit protection, and intelligent thermal management.

Description

The HJ-ESS-DESL series of liquid cooled commercial energy storage systems are highly efficient energy storage solutions designed for industrial and commercial applications with capacities ranging from 372KWh to 1860KWh.

The system has comprehensive liquid cooling technology and stable thermal management to help enterprises optimize energy use and reduce electricity costs. The liquid-cooled design maximizes the service life and performance of the system, ensuring stable energy output, even in demanding operating environments.

Product number	HJ-ESS-DESL1	HJ-ESS-DESL2	HJ-ESS-DESL3	HJ-ESS-DESL4	HJ-ESS-DESL5
Number of Battery Cabinets	1	2	3	4	5
Rated Energy	372kWh	744kWh	1116kWh	1488kWh	1860kWh
Charge and Discharge Rate	≤0.5C	≤0.5C	≤0.5C	≤0.5C	≤0.5C
Compound Mode	1P416S	2P416S	3P416S	4P416S	5P416S
Size	1700*1250*2200 (Single Battery Cabinet, Reference Size)				

System Parameters					
The DC-side Voltage Range	1164.8~1497.6V	Rated Voltage of the DC side	1331.2V	Running Environment	Below 2,000 Meters Above Sea Level
Communication Mode	ModBUS-TCP、CAN	Temperature	-35~60°C	Cooling Method	Liquid Cooling
Cycle Life(times)	80%DOD 6000	Protection Level	IP54	Installation Method	Outdoor, floor installation
Weight	≤3000KG	Certification	CE, ROHS, UN38.3/MSDS		

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