

Liquid-Cooled Commercial Energy Storage System

Model: HJ-ESS-DESL Series Power: 372KWh-1860KWh

Summary

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.



Liquid-Cooled Commercial Energy Storage System (HJ-ESS-DESL Series)

Product Features

Liquid-Cooled System

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

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)

Smart Energy Management

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

Enhanced Safety

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

Long Service Life

Designed for a 20-year operational life, providing businesses with long-term, reliable energy solutions

Technical Parameters

Battery parameters

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

Product number	HJ-ESS-DESL1	HJ-ESS-DESL2	HJ-ESS-DESL3	HJ-ESS-DESL4	HJ-ESS-DESL5	
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	ModBUS-TCP/CA	Temperature	-35~60°C		cooling method	liquid cooling

mode	N				
Cycle life (times)	80%DOD 6000	IProtection level	IP54	Installation method	Outdoor, floor installation
Weight	≦3000KG	Certification	CE, ROHS, UN38.3/MSDS		

Application

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

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