

Liquid-Cooled Containerized Energy Storage System

Model: HJ-ESS-EPSL Series Power: 3440KWh-5016KWh

Summary

The HJ-ESS-EPSL Series is a high-capacity liquid-cooled containerized energy storage system for large-scale industrial, commercial, and utility applications.



Liquid-Cooled Containerized Energy Storage System (HJ-ESS-EPSL Series)

Product Features

High Energy Capacity

Offers scalable energy storage from 3440KWh to 6880KWh, catering to large-scale energy storage needs

Smart Energy Management

Integrated with intelligent monitoring and energy management systems for real-time control and seamless operation with grid and renewable sources

Durable and Secure

Designed for outdoor use with robust, weatherproof containers, providing IP65 protection and ensuring safe operation in various climates

Enhanced Safety

Includes multiple safety mechanisms such as overcharge, over-discharge, short circuit protection, and intelligent thermal management

Technical Parameters

Battery parameters

Product number	HJ-ESS-EPSL2	HJ-ESS-EPSL4
Battery parameters		
Battery Type	Lithium Iron Phosphate	Lithium Iron Phosphate
Battery capacity	3.2V/280Ah	3.2V/314Ah
System battery configuration	10P384S	12P416S
System rated capacity	3440kWh	5016kWh
System rated voltage	DC 1228.8V	DC 1331.2V
System voltage range	DC1075.2~DC1363.2V	DC1164.8~DC1497.6V
Charge and discharge rate	0.5C	0.5C
Battery cooling method	liquid cooling	liquid cooling

System specifications

Product number	HJ-ESS-EPSL2	HJ-ESS-EPSL4
System parameters		
Size	20 feet container	20 feet container
Weight	35t	45t

Protection level	IP54	IP54
Anti-corrosion level	C4/C5	C4/C5
Temperature control solution	liquid cooling	liquid cooling
Fire protection plan	Perfluorohexanone + water fire protection (optional)	Perfluorohexanone + water fire protection (optional)
Protocol	CAN/MODBUS/IEC104/IEC 61850	CAN/MODBUS/IEC104/IEC 61850
Communication Interface	CAN2.0/RJ45/RS485	CAN2.0/RJ45/RS485

Application

Grid Stabilization: Provides grid support by balancing supply and demand, storing excess energy, and delivering power during peak demand periods

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