

I&C Distributed Energy Storage System

HJ-ESS-DESA

Application Scenario

Smart Cities and Green Buildings

Ideal for urban developments and eco-friendly buildings, providing intelligent energy storage solutions that stabilize the grid and reduce energy costs in densely populated areas.

Distributed Energy Systems

Suitable for microgrid applications, helping companies in remote or off-grid locations achieve energy independence and reduce reliance on centralized power sources.



Adaptive Cooling

The air-cooling system dynamically adjusts cooling levels based on real-time energy consumption, reducing component wear and ensuring optimal performance and system longevity during periods of high demand.



Sustainability-Centric Design

Compatible with solar PV and other renewable energy systems, supporting businesses committed to reducing their carbon footprint and achieving long-term sustainability goals.



Energy Independence and Optimization

The system features an optional smart energy management system, which uses real-time data analysis and AI-driven energy optimization to enhance energy independence and reduce reliance on unstable grid connections.



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-DESA series is the next generation of energy storage systems designed for commercial and industrial users. It applies an innovative energy management model, from 215 KWh to 1075 KWh, provides flexible solutions for the growth in enterprises' energy consumption. High-performance and highly scalable, it will enable companies to achieve growth in a sustainable manner while keeping the energy supply stable in such a dynamic market.

HJ-ESS-372L (150KW/372KWh)					
	HJ-ESS-DESA1	HJ-ESS-DESA2	HJ-ESS-DESA3	HJ-ESS-DESA4	HJ-ESS-DESA5
Number of Battery Cabinets	1	2	3	4	5
Rated Energy	215kWh	430kWh	645kWh	860kWh	1075kWh
Rated Power	100KW	200KW	300KW	400KW	500KW
System Efficiency	90%	90%	90%	90%	90%
Size	1700*1250*2200 (Single Battery Cabinet, Reference size)				

System Parameters					
Grid-connected Line System	3W+N+PE	Grid Voltage	380(-15%~+10%)	Grid Connection Frequency (Hz)	50(±2)/60(±2)
Power Factor	-0.9~+0.9	Output Harmonics	≤3%(Rated Power)	Cooling Method	Air Cooling
Cycle Life(times)	80%DOD 6000	Protection Level	IP54	Installation Method	Outdoor, Floor installation
Weight	≤2500KG	Certification	CE, ROHS, UN38.3/MSDS		

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