

261kWh Liquid Cooling Energy Storage Cabinet, Commercial and Industrial ESS



The **261kWh Liquid Cooling ESS Cabinet** is a high-performance energy storage solution designed for industrial and commercial applications. Featuring an integrated Energy Management System (EMS), it enables intelligent energy monitoring and optimization for enhanced efficiency.

Key Features:

- Advanced Liquid Cooling Technology – Ensures stable operation and extended system lifespan.
- High-Cycle LiFePO4 Batteries – Delivers over 6,500 cycles for long-term reliability.
- Scalable & Modular Design – Adapts to diverse energy storage needs with flexible expansion options.
- Robust Safety & Durability – Built for demanding environments with superior thermal management.

Ideal for peak shaving, load shifting, and backup power, this system provides a sustainable and cost-effective energy storage solution.

Application Scenarios



Factories



Shopping Malls



Residential Areas



Hospitals



Other Places

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Technical Specification

DC Parameters	
Full Configuration Capacity	261kWh
Cell Parameters	LFP-3.2V-314Ah-1004.8Wh
Battery Module Specification	52.25kWh
Rated Voltage	832V
Max. DC Current	157A
DC Voltage Range	728-949V
Charge/Discharge Rate	0.47P
Cycle Life	7000 Cycles
Depth of Discharge	90% DOD
AC Parameters	
Rated Power	125KW
Rated Output Voltage	400V
Rated Output Current	197A
Frequency	50HZ/60HZ
Total Harmonic Distortion (THD) of Voltage	< 3%(linear load)
Continuous Overload Capacity	1.1 times rated power
Power Factor Range	-1~+1
Permissible Grid Voltage	-15%~+15%
System Parameters	
Communication Interface	RS-485/CAN/LAN/TCP IP
Cooling System	Liquid Cooling for Battery Pack and Air Cooling for PCS
Fire Protection Solution	Smoke/Temperature Detective Sensor + Aerosol
Altitude	3000m
Permissible Ambient Temperature	-30~+55 °C
Permissible Relative Humidity	0 ~ 95%Rh
Protection Rating	IP54
Corrosion Protection Rating	C4
Dimensions (W*D*H)	1500*1400*2255mm
Weight	2500kgs

Ordering Information

Part No.	Description
NBSES261A	261kWh Liquid Cooling Energy Storage Cabinet, Commercial and Industrial ESS