

Product Specification

Product Model	LSHeBank-L5.0-1500-0.5P
System Parameter	
Battery Type	LFP314Ah
Rated Capacity	5015.96kWh
Rated Battery Voltage	1331.2V
Battery Voltage Range	1164.8V~1500.0V
Weight	43t
Dimension(W*D*H)	6058*2438*2896mm
Maximum System Efficiency	94%
Charge and Discharge Ratio	0.5P
Cycle Number	≥6000@25°C0.5C/0.5C,90%DOD,70%EOL
Cooling Mode	Liquid Cooling
Altitude	≤2000m
Operating Temperature	-20~+55°C
Relative Humidity	0%-95%,RH
Ingress Protection	IP54
Communication Interface	Ethernet/RS485/CAN
Communication Protocol	Modbus TCP/Modbus RTU/CAN 2.0
Fire Protection	Aerosol + Water Spray
Certificate	GB36276,GB/T34131,IEC/EN62619,IEC/EN61000,FCC Part15,IEC/UL60730 UL1973,UL9540A,UN38.3,IEC/EN62477,UL9540,UN3536

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Utility Grade Liquid Cooled
Energy Storage System

LSHeBank-L5.0



HV liquid cooling energy storage system

LSHeBank-L5.0

LSHeBank-L5.0 liquid cooled energy storage system, relying on the core technology full stack self-research, to create high-efficiency, high-stability energy storage equipment. Based on the core key technology requirements of energy storage in power system "power generation, transmission, distribution and use", with more advanced technology and better service, we provide all-scene application solutions for power users around the world.



High efficiency/energy saving

Lower cost
Cycle life 7000+ Support multiple
Combination Parallel Arrangement Project
Area is Reduced by 59%

Flexible configuration

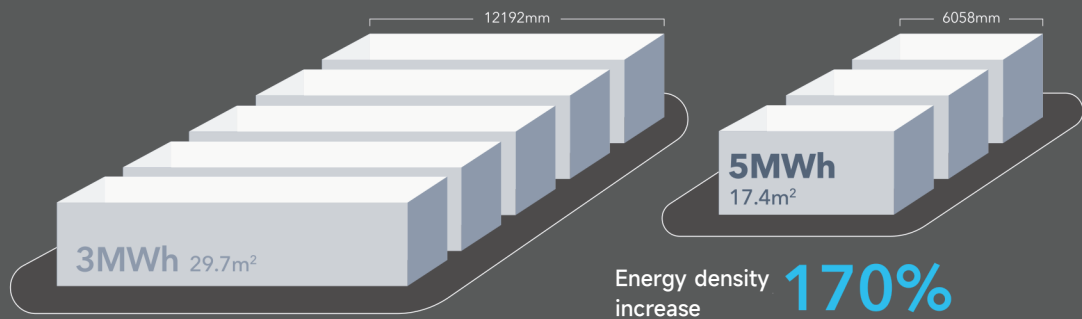
Highly integrated, high level protection
flexible configuration Fast adaptation to
project requirements wide temperature area
design Reliable operation in all scenarios

Safe and reliable

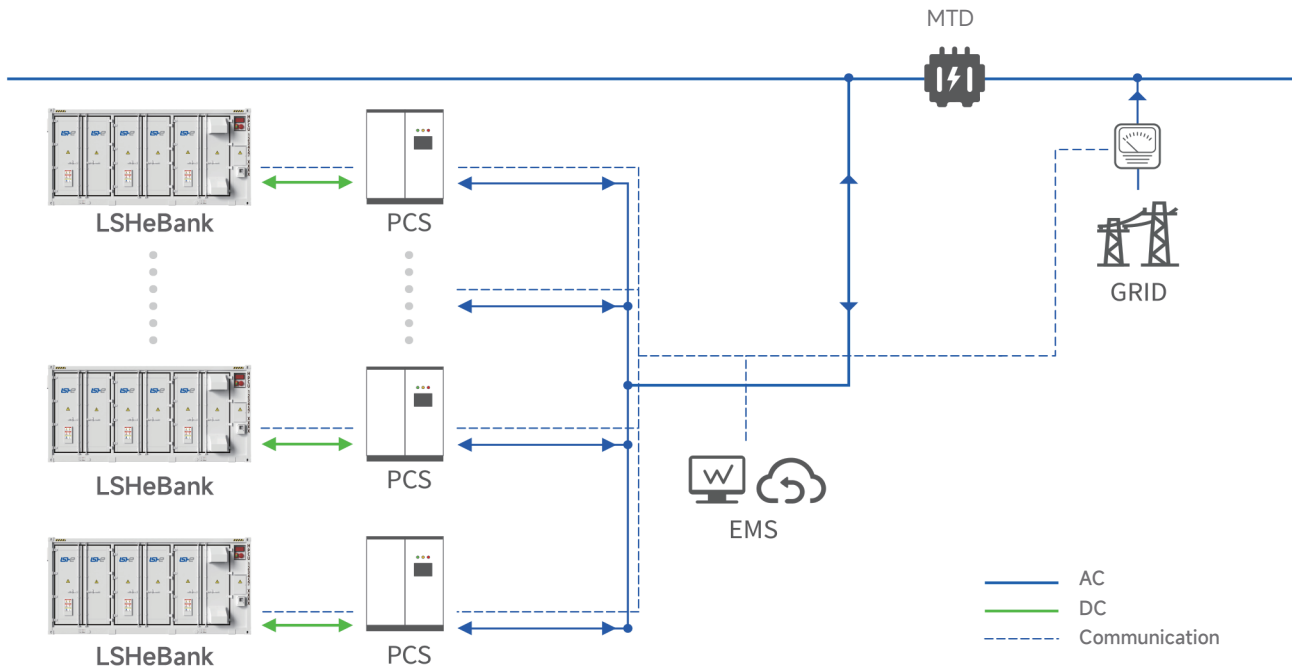
Excellent thermal management mechanism
Battery temperature difference $\leq 3^{\circ}\text{C}$
Pack-level fire detection function
Build a full life cycle, multi-level

Ultra-high Energy Density

Equipped with high energy density batteries
Achieve 20 feet standard container single compartment electricity 5MWh



System Topology



Application Scenario



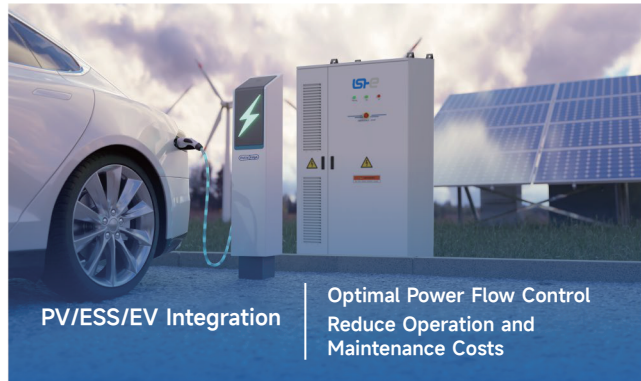
Zero-carbon Park

Cut Peaks and Fill Valleys
Improve Power Supply Reliability



Commercial complex

Emergency Backup
Ensure Energy Independence



PV/ESS/EV Integration

Optimal Power Flow Control
Reduce Operation and
Maintenance Costs



Off-grid Application

Build a microgrid
Energy storage in areas
without power