

LSHE Industrial BESS

EP Series-DC Side

This LSHE Industrial BESS is a BESS container (20 feet) with a capacity of 3350kWh on the DC side, it contain energy storage battery packs, BMS, EMS, liquid cooling units, fire protection, pipelines, power distribution, auxiliary systems and other systems. Highly integrated modular, expandable, and rapidly deployable, dedicated for utility scale use.



Large Capacity Small Size

Capacity large to 3.35 mWh with all the systems integrated to a 20 HQ container.



Easy for Maintenance & Expansion

Modular design, easy for battery replacement and system expansion.



Smart Management System

Support LSHE Web for intelligent operation and maintenance online, remote and real-time monitoring, reduces manual on-site inspections.



Safety Assured

Complete heat dissipation system plus full set of liquid cooling system to double assure safe operation.



Multiple Working Modes

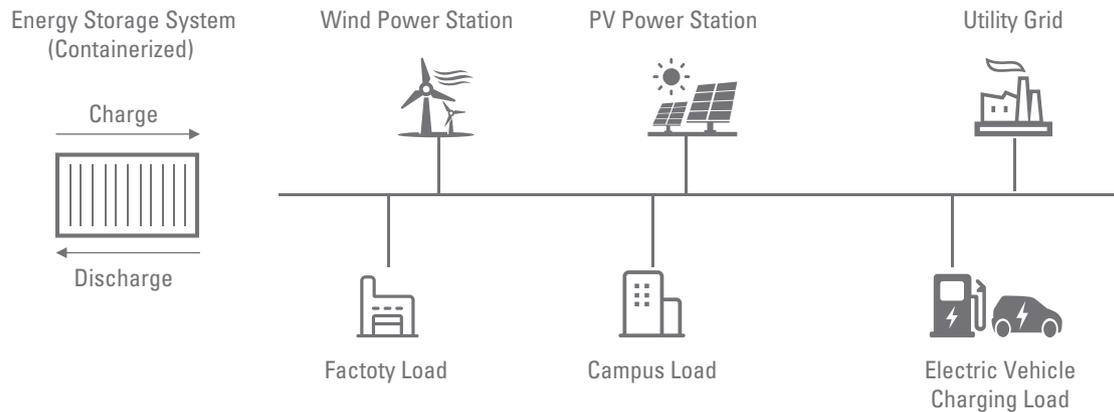
Including peak-cutting and valley-filling, new energy access, EPS, on-grid, off-grid and also projects for power stations and etc.



High Efficiency

Intelligent cluster-level management helps reduce the barrel effect and increase discharging capacity.

System Layout



Specifications

System Model	EP3000L (DC-Side System)
DC Side Parameters	
Battery Cell	LFP 3.2V/280Ah
Voltage Range	1040~1497.6Vdc
Total Capacity	3354kWh
Balanced Way	Passive balance
Working Environment	Charging: 0~55°C; Discharging: -20°C~+55°C
System Efficiency	
Maximum Efficiency	>97.5%
Total System Efficiency	>87%
Charge/Discharge Rate	≤0.5C, Peak power (@1C, 30s)
General Parameters	
Dimensions (LxDxH)	6058x2896x2896mm
Weight	40t
Incoming Line	Bottom incoming line
Operating Temperature	-35~60°C
Environment Humidity	0~95%
Altitude	≤2000m
Protection Class	IP54
Cooling Method	Liquid cooling
Fire Safety	Pack grade Aerosol/Perfluorohexanone/Heptafluoropropane
Communication	
Communication	RS485/Ethernet/Fiber optic
Communication Protocol	Modbus-RTU/TCP
Certificate	UN3536

* For inquiring projects that LSHE made for evaluating, please contact us for details.