

# LSHE Industrial BESS

## EP Series-AC&DC Integrated

This LSHE Industrial BESS contain energy storage battery packs, BMS, EMS, air cooling units, fire protection, pipelines, power distribution, auxiliary systems and other systems. Highly integrated modular, expandable, and rapidly deployable, dedicated for utility scale use.



### Safety Assured

Complete heat dissipation system plus full set of fire-fighting system from aerosol or perfluorohexanone to double assure safe operation.



### Highly Integrated

AC and DC design all in one, highly integrated in container, easy to transport and install on site.



### Multiple Working Modes

Including peak-cutting and valley-filling, new energy access, EPS, on-grid and off-grid and etc.



### High Efficiency

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



### Easy for Maintenance & Expansion

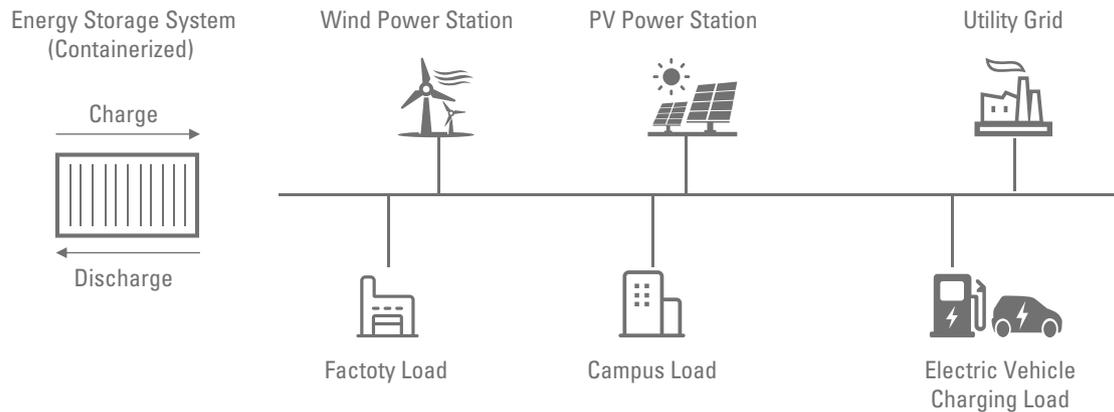
Modular design, easy for battery replacement and system expansion.



### Smart Management System

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

## System Layout



## Specifications

System Model	EP1000	EP2000
<b>AC Side Parameters</b>		
Rated Power	500kW	1000kW
Rated Voltage	AC400V±15%	
Rated Grid Frequency	50/60Hz	
Power Factor	-0.99~0.99 (adjustable)	
Powered Supply	3P+N+PE (optional)	
<b>DC Side Parameters</b>		
Battery Cell	LFP 3.2V/280Ah	
Voltage Range	672~864Vdc	
Total Capacity	1075kWh	2150kWh
Balanced Way	Passive balance	
Working Environment	Charging: 0~55°C; Discharging: -20°C~+55°C	
<b>System Efficiency</b>		
Maximum Efficiency	>97.5%	
Total System Efficiency	>86%	
Charge Discharge Rate	≤0.5C, Peak power (@1C, 30s)	
<b>General Parameters</b>		
Dimensions (LxDxH)	7508x2600x2896mm	12192x2438x2896mm
Weight	18t	38t
Incoming Line	Bottom incoming line	
Operating Temperature	-35~55°C	
Environment Humidity	0~95%	
Altitude	≤2000m	
Protection Class	IP54	
Cooling Method	Air cooling	
Fire Safety	Pack grade Aerosol/Perfluorohexanone/Heptafluoropropane	
<b>Communication</b>		
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.