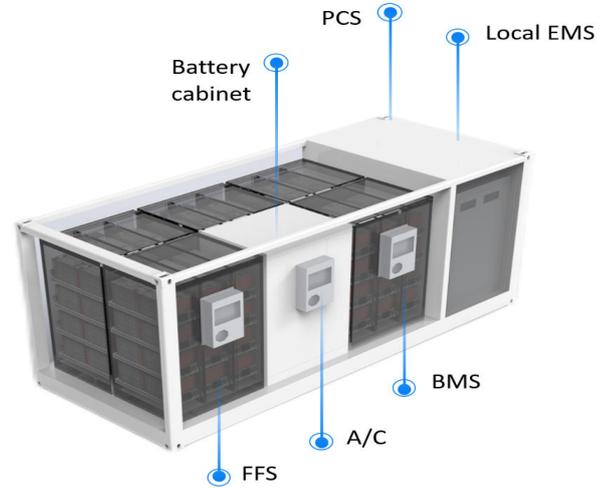


EnerCube

Containerized Battery Energy Storage System



The **3rd** generation modular containerized BESS

Design optimization cuts lead time by **1/2** (VS traditional BESS structure)

Complete IEC62619, IEC62477, IEC61000, EN50549, G99, UN3536, UN38.3, China Classification Society, etc.

DC BUS grid-forming (GFM) technology ensures **100%** availability of battery cluster capacity

Safe & Stable

Design patent of preventing flame outward expansion enhances product safety.

Economical & Efficient

Containerized design for easy transportation & installation reduces transportation and site construction costs.

Modular O&M

Modular O&M without interference in the normal operation of other modules for cost savings and utilization optimizing.

Flexible Expansion

Flexible configuration on demand; Modularized structure; Multiple cabinets parallel connection and control.



Industrial Park Energy Storage

Capacity Expansion
Peak-load Shifting
TOU Tariff Arbitrage
Power Quality Management



Solar + Storage + EV Charging Station

Store Extra Solar Energy
Peak-load Shifting
Electricity Cost Saving
Power Expansion for More Chargers
Eco-friendly Solution



Solar + Storage Microgrid

Backup Power
Store Extra Solar Energy
Distributed Energy Integration
Optimizing The Power Grid Upgrading

Containerized Battery Energy Storage System

Type	P400C860	P500C1075	P600C1290	P700C1505	P800C1720	P1000C2007
DC side parameters						
Cell type & capacity	LiFePO ₄ -280Ah					
Battery module type	1P20S					
System configuration	4*1P240S	5*1P240S	6*1P240S	7*1P240S	8*1P240S	8*1P280S
Capacity (BOL)	860kWh	1075kWh	1290kWh	1505kWh	1720kWh	2007kWh
AC side parameters						
Grid type	3P4W+PE					
Rated output power	400kW	500kW	600kW	700kW	800kW	1000kW
Rated voltage	AC400V					
Rated frequency	50/60(±5)Hz					
Maximum output current	577A	722A	866A	1010A	1155A	1443A
Harmonics	< 3% (@rated power)					
Overload capacity	110%, 10mins; 120%,60s					
General parameters						
Isolation transformer	No					
Protection level	Outdoor installation (Battery cabinet: IP55, Electrical room: IP34)					
Container anti-corrosion grade	C3					
Operation temperature*	-20°C ~ 50°C					
Relative humidity	0~95% (non-condensing)					
Permissible altitude**	< 2000m					
Cooling method	Battery cabinet: HVAC, Electrical room: forced air cooling					
Fire fighting system	FAS & FM200/Novtec1230					
Noise emission	≤75dB					
Dimension (W*D*H)	20HQ container (6058mm*2438mm*2896mm)					
Maximum weight	14500kg	17000kg	19500kg	22000kg	24500kg	27000kg
Communication interface	Ethernet					
Communication protocol	Modbus TCP/IP					
Warranty	5 years (can be extended to 10 years) Warranty					
Certification	System : UN3536, IEC61000, IEC62477, IEC62619, IEC62933, RoHS Cell : IEC62619, UL1973, UL9540A, UL1642 PACK : UN38.3 PCS : G99, EN50549-1&-2, AS4777.2, VDE4105, VDE4110					

Notice: Lenercom reserves the right of final interpretation of the above data and reserves the right to change the above data without prior notice.

* The system will be derated when the ambient temperature exceeds 45°C.

**The system will be derated when the altitude exceeds 2000m.

Application Scenarios

Power Expansion

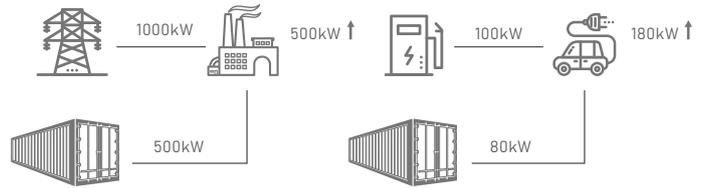
Discharge when the distribution capacity cannot meet the load demand to achieve the effect of virtual capacity expansion.



Factory



Charging Station



Wind and Solar Energy Consumption

Storing the surplus power emitted by the PV during the day for discharging at night.



PV Power Station



Wind Power Station



Hybrid Charging



Solar & Energy Microgrid

Can realize electricity saving. Applications such as backup power supply provide stable power in areas that cannot be connected to the grid, such as islands and mountainous areas.



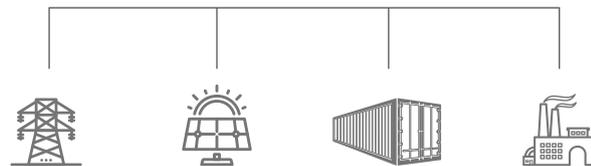
Factory



Charging Station



Remote Area



Demand Response

Enable power grid dispatching, entitle dispatching subsidies.



Factory



Office Block



Shopping Mall

