EnerCube

Containerized Battery Energy Storage System





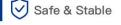


The 3rd generation modular containerized BESS

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



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

EnerCube





Parameters	EnerCube P400C860	EnerCube P500C1075	EnerCube P600C1290	EnerCube P700C1505	EnerCube P800C1720
Battery Parameters					
Cell type & capacity			LFP-280Ah		
Battery module type			1P20S (P20)		
System configuration	4*1P240S	5*1P240S	6*1P240S	7*1P240S	8*1P240S
System capacity (BOL)	860kWh	1075kWh	1290kWh	1505kWh	1720kWh
AC Output Parameter	s				
Rated output power	400kW	500kW	600kW	700kW	800kW
Rated voltage	AC400V, 3P4W+PE				
Rated grid frequency	50Hz±5Hz/60Hz±5Hz				
Maximum output current	577A	722A	866A	1010A	1155A
Harmonics	<3% (@rated power)				
Overload capacity	110%, 10 mins; 120%, 60s				
General Parameters					
Isolation transformer			No		
Ingress protection		Battery compartment: IP55, Electrical compartment: IP34			
Container anti-corrosion grade		C3			
Operating temperature*			-20°C∼55°C		
Relative humidity		0~95% (non-condensing)			
Permissible altitude**			2000m		
Cooling method	Ва	ttery compartment: H\	AC, Electrical comp	artment: Forced air	cooling
Noise emission			≤75dB		
Dimension (W*D*H)		6058mm×2438mm×2896mm			
Max. weight			25000kg		
Fire fighting system		FAS & FM200/Novec1230			
Communication interface a	nd protocol	Ethernet, Modbus TCP/IP			

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

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^{**}The system will be derated when the altitude is between 2000m and 3000m.