

# EnerCube

## Containerized Battery Energy Storage System



Energy on Demand,  
Powering a Bright Future.



All-in-One Modular Containerized BESS

Support 1C charging/discharging

Comprehensive grid-connection certificates

Support grid frequency regulation  
response time < 200 ms



### Cost Effective

Containerized design for easy transportation & installation to reduce the transportation and construction cost.



### Safe & Stable

LFP battery with inter-cluster isolation technology. Patented design to prevent open flames from leaking out.



### Modular O&M

Modular design and O&M to improve the system availability.



### Flexible Expansion

Flexible configuration on demand, and supports multiple units connection in parallel.



### Industrial Park & Community

Capacity Expansion  
DFR & FCR  
Peak-load Shifting  
TOU Tariff Arbitrage



### Solar + BESS + EV Charging Station

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



### Grid Ancillary Service

DFR & FCR  
1C Rate Charging/Discharging  
Fast Response < 200ms

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## Containerized Battery Energy Storage System



Parameters	P1000C1204
<b>Battery parameters</b>	
Battery cell	LiFePO <sub>4</sub> – 280Ah
Battery module	1P32S
Battery cluster	1P224S ( 7 modules)
Battery system	6*1P224S
Battery capacity ( BOL )	1204kWh
Battery voltage range	627V~806V
<b>AC Side Parameters</b>	
Grid type	PCS side: 400V, 3P3W+PE
Rated output power	1000kW
Rated voltage	AC400V
Rated frequency	50/60(±5)Hz
Maximum output current	1442A
Output harmonics	<3% (at rated power)
Overload capacity	110%, 10mins; 120%, 60s
<b>General Parameters</b>	
Protection level	Outdoor installation: IP55 (Battery cabinet), IP54 (Electrical cabinet)
Cooling method	HVAC (Battery cabinet) & Forced air cooling (Electrical cabinet)
Anti-corrosion grade	C3
Operating temperature*	-30°C~55°C
Relative humidity	0~95% (no condensation)
Operating altitude**	<3000m
Fire fighting system	Combustible gas detection + Novec1230 + water fire suppression
Noise emission	≤75dB
Dimension (W*D*H)	20HQ Container (6058mm*2438mm*2896mm)
Weight	21000kg
Communication interface	Ethernet, RS485
Protocol	Modbus TCP/IP , Modbus-RTU
Warranty	5-year product warranty   10-year performance guarantee
<b>Certifications</b>	System: IEC/EN61000, IEC/EN62477, IEC62619, UN3536, ROHS Cell: IEC 62619, UL1973, UL1642, UL9540A PACK: UN38.3 PCS: EN50549-1, EN50549-2, IEC61721&62116, AS NZS 4777, NRS097-2-1, UE2016-631, UNE206007-1, UNE217002, VDE4110, CEI-016, IEEEE1547, NTS631, R25&TOR, C10, etc.

\* The system will be derated when the ambient temperature exceeds 45°C. If the temperature is below -30 ° C, the system storage time cannot exceed 1 week.

\*\*The system will be derated when the altitude exceeds 3000m.



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