EnerCube

Containerized Battery Energy Storage System

Energy on Demand,
Powering a Bright Future.

- AC and DC coupling with the PV system
- Design optimization cuts lead time by **1/2** (VS traditional BESS structure)
- Certificates: IEC62619, IEC62477, IEC61000, EN50549, G99, UN3536, UN38.3, AS4777.2, VDE4105, etc.
- DC BUS grid-forming (GFM) technology ensures **100%** availability of battery cluster capacity

AC/DC Coupling

EMS is compatible with numerous mainstream PV inverter brands.

Multiple Energy Access

Solar, diesel gensets, wind turbine, etc.

Modular O&M

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

Response < 200ms

High-efficiency charging and discharging.

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
Tariff Savings
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

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Parameters	P1000C2007
Battery Parameters	
Cell type & capacity	$LiFePO_4$ – 280Ah
System configuration	8*1P280S
System capacity（BOL）	2007kWh
AC Output Parameters	
Rated output power	1000kW（optional: 500kW）
Rated voltage	AC400V，3P4W+PE
Rated grid frequency	50Hz±5Hz/60Hz±5Hz
Max. output current	1443A（opional: 722A）
Harmonics	＜3%（@rated power）
Overload capacity	110%, continuous
General Parameters	
Isolation transformer	No
Protection level	IP54
Anti-corrosion grade	C3
Operating temperature*	-30℃～50℃
Relative humidity	0～95%（non-condensing）
Operating altitude**	＜2000m
Noise emission	⩽75dB
Dimension (W*D*H)	20HQ container (6058mm×2438mm×2896mm)
Max. weight	27000kg
Fire fighting system	Novec1230
Communication interface and protocol	Ethernet, Modbus TCP/IP
Warranty	5 years (can be extended to 10 years)
Certifications	System：UN3536, IEC61000, IEC62477, IEC62619, IEC62933, RoHS Cell：IEC62619, UL1973, UL9540A, UL1642 PACK：UN38.3 PCS：G99, EN50549, AS4777.2, VDE4105, VDE4110

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

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

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