

C&I

# ENERCUBE

Containerized Battery Energy Storage System



## KEY FEATURES

- DC BUS grid-forming (GFM) technology ensures **100%** availability of battery cluster capacity
- 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, UN383, AS47772, VDE410584110, etc.



AC/DC(500kW) Coupling

EMS is compatible with numerous mainstream PV inverter brands.



Response <200ms

High-efficiency charging and discharging.



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.



### 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

## TECHNICAL DATA

Parameters	P1000C2007
<b>Battery Parameters</b>	
Cell type & Capacity (Ah)	LiFePO4 - 280
System Configuration	8*1P280S
System Capacity (BOL)	2007kWh
<b>AC Output Parameters</b>	
Rated Output Power	1000kW (optional: 500kW)
Rated Voltage	AC400V, 3P4W+PE
Rated Grid Frequency (Hz)	50 ±5 /60 ±5
Max. Output Current (A)	1443 (optional: 722)
Harmonics	< 3% (@rated power)
Overload Capacity	110%, continuous
<b>General Parameters</b>	
Isolation Transformer	No
Protection Level	IP54
Anti-corrosion Grade	C3
Operating Temperature*	-30°C~50°C
Relative Humidity	0~95% (non-condensing)
Operating Altitude**	< 2000m
Noise Emission	≤75dB
Dimension (W*D*H)(mm)	20HQ container (6058×2438×2896)
Max. Weight(kg)	27000
Fire Fighting System	Novec1230
Communication Interface and Protocol	Ethernet, Modbus TCP/IP
Warranty	3 years (can be extended to 10 years)
Certifications	System: UN3536, IEC61000, IEC62477, IEC62619, 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°C .

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

SHENZHEN ACE BATTERY CO., LTD.

Email: sales@acebattery.com  
Phone: +86 755 8887 8567  
Web: www.acebattery.com  
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