GPT

EnerCube-125KW/261KWh

Liquid-cooled Energy Storage Cabinet

01 Product Features

Intelligent Operation and Maintenance

- Modular energy block design, modular spare parts, more convenient maintenance.
- Data, video high-speed access to the cloud, remote active fire extinguishing, to achieve true unattended.
- Profits are clearer, data is more transparent,operation and maintenance is easier.

Extreme Safety

- Multi-layer fire protection, rapid suppression of thermal runaway.
- Top burst design to prevent the risk of explosion.
- Battery health AI management, early warning of failure battery.
- Noise reduction by 50%, suitable for large commercial buildings, parks and other areas.

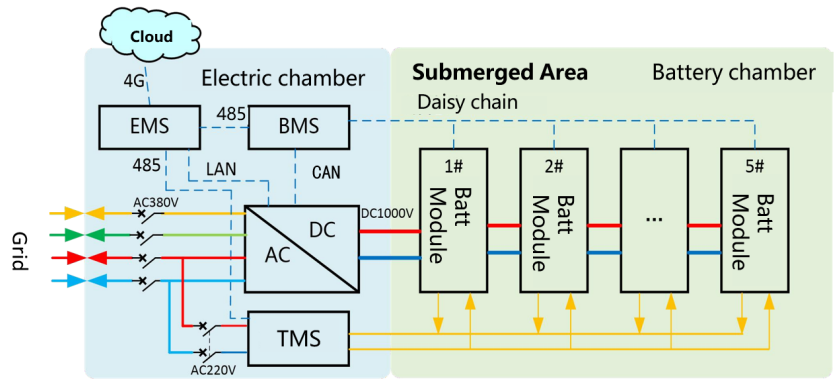
Efficient and Flexible

- High energy density, no junction cabinet, saving floor space.
- PCAK/PCS modular design, reduce failure loss, high system availability.
- Single rack management, no inter rack circulation, improve the system energy charge/discharge capacity.
- Liquid cooling, longer system life, lower auxiliary power consumption.

Easy installation

- Modular products plug and play.
- Automatic SOC balancing between Packs.
- ●Equipment foundation no need excavation design, save the site civil construction cost.
- With the functions of parallel off-grid, backup power, three-phase imbalance management, etc.
- Suitable for various application scenarios.

02 Topology



Data Center

Commercial Buildings

Industrial Parks

PV, storage & Charging Integration

Distribution GridExpansion

03 Technical Parameters

Product	EnerCube-125kw/261kwh	
Product Mode	LFP battery energy storage system	
	AC Side	
S.N.	Item	Specification
1	Rated Power	125kW
2	Rated Grid Voltage	AC 400V
3	Grid Voltage Range	AC 340V~460V
4	Distribution Power Supply	AC 220V
5	AC Access Method	Three-phase four wire system
6	Grid Frequency Range	50±2.5Hz
7	Grid Voltage Range	-15% ~ +15%
8	Total Harmonic Distortion Rate of Current	≤3% Full Load
9	Power Factor	-1 ~ +1
	DC Side	
S.N.	Item	Specification
10	Battery Cell Type	LFP 314Ah
11	System Configuration	5×1p52s
12	Installed Energy Capacity	261.248kWh
13	Voltage Range	DC 728V ~ 923V
14	Nominal Voltage	832V
15	Rated DC Current	157A
16	Maximum DC Current	179.4A
17	Operating Temperature Range	0℃~55℃ (Charge)-30℃~55℃
	System Specification	
S.N.	Item	Specification
18	Overall Dimension (W×D×H)	1100mm×1400mm×2350mm
19	Maximum Efficiency	Under Rated ≥90%
20	Operating Temperature	-30℃ ~ +55℃
21	Allowable Relative Humidity	≤95% Free of condensation
22	Noise	≤75dB
23	Cooling Method	PCS:Air-cooling / Battery:Liquid Cooling
24	Protection Grade	IP55
25	Altitude	≤2000 m.a.s.l.
26	Weight	3t
27	Communication Protocol	MODBUS TCP、IEC104、4G

Test&Certificate

IEC 62619 IEC 63056 IEC 62477-1 IEC 61000-6-2/4 UN38.3 CE-RED

Disclaimer: The content of this manual is for reference only. In case of any changes, please refer to the actual product.

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