CBES-0.5C Liquid Cooled ESS

Highly integrated, efficient and convenient

0.5C liquid cooled energy storage cabin adopts integrated and standardized design, with 5MWh ultra-high storage capacity, effectively saving the station space. It meets the needs of new energy consumption, peak shaving and load shifting, independent energy storage power stations, large-scale user side energy storage,transmission and distribution expansion.

Secured and Stable

- The life cycle of the liquid cooling medium is 10 years, ensuring the reliable operation of the system
- Combustible gas detection / exhaust / explosion relief design

Smart and Efficient

- Efficient and reliable liquid cooling system, powered by interconnected thermal management system and BMS, helps reduce the auxiliary energy consumption by 20%·
- Real-time accurate temperature monitor and control, ensures cell temperature difference ≤2.5℃

Highly Integrated

- Modular design.Support back-to-back deployment, saving the station space.
- 20ft 5MWh ultra-high storage capacity

Easy Maintenance

- Remote upgrade / APP operation and maintenance / cloud-edge collaboration
- Support life cycle system fault diagnosis, battery health assessment and early warning

New energy consumption

Peak shaving and load shifting

Independent energy storage power station

Large user side energy storage

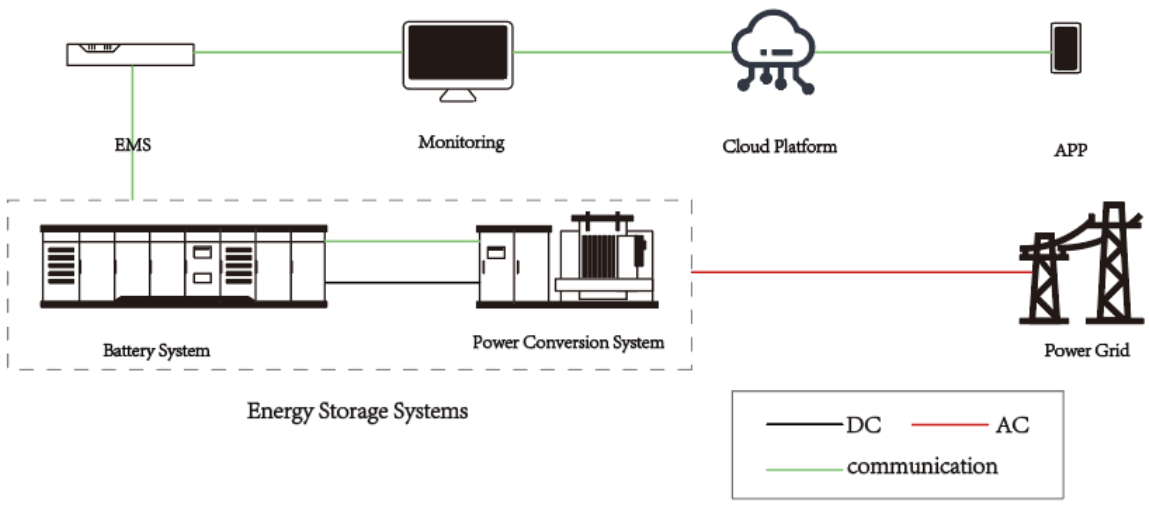
Transmission and distribution capacity expansion

*This product image is for reference only, and shipping will be based on the actual product!

CBES-0.5C **Liquid Cooled ESS**

Large energy storage system

Technical Data	CBES-3.34MWh	CBES-5MWh
DC side		
Cell Type	LFP 3.2V/314Ah	LFP 3.2V/314Ah
Pack String	1P52S	1P52S
System Configuration	8×1P416S	12×1P416S
Battery Capacity (BOL)	3343.97KWh	5015.96KWh
Rated Charge/Discharge Rate	0.5C	0.5C
Nominal Voltage	1331.2V	1331.2V
Voltage Range	1164.8V-1497.6V	1164.8V-1497.6V
General		
Dimensions(W×D×H)	6058×2438×2896mm	6500×2438×2896mm
Weight	35t	45t
IP grade	IP55	IP55
Operating Temperature Range	-30℃~+55℃	-30℃~+55℃
Relative Humidity	0-95% (No condensation)	0-95% (No condensation)
Maximum working altitude	2000m	2000m
Cooling Method	Liquid cooling	Liquid cooling
Noise Level	≤75dB	≤75dB
Fire Suppression System(optional)	Heptafluoropropane/ perfluorohexanone	Heptafluoropropane/ perfluorohexanone
Auxiliary power supply	AC380V/50Hz, 3-phase 4-wire	AC380V/50Hz, 3-phase 4-wire
Communication Interface	Ethernet	Ethernet
Communication Protocol	Modbus/IEC61850	Modbus/IEC61850
Region	North America/Europe/China	North America/Europe/China



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