

CBES-Air Cooled AC/DC integrated outdoor cabin

Highly integrated, efficient and convenient

The air cooled AC/DC integrated outdoor cabin adopts a modular integrated design to achieve 400V AC output, and supports 20 cabins to be used simultaneously, flexibly adapting to different application scenarios. It meets the needs of peak shaving and load shifting, dynamic capacity expansion, demand response, backup power supply and microgrid.

VISION 雄韬



Highly Integrated

- Modular design. 400V AC output
- It can flexibly match different scenarios and support a maximum of 20 cabins to form a 2MW/4MWh unit



Smart and Efficient

- Efficient and reliable air cooling system, powered by interconnected between thermal management system and BMS, helps reduce auxiliary energy consumption
- Real-time accurate temperature monitor and control, ensures cell temperature difference $\leq 5^{\circ}\text{C}$, improve the consistency of the cell



Secured and Stable

- Support 100% DOD deep discharge. 15 years of service life under standard conditions
- Dual FSS, combustible gas detection / exhaust / explosion design, efficient fire prevention and reignition



Easy Maintenance

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



Peak shaving and load shifting



Dynamic expansion



Demand on response



Standby power supply

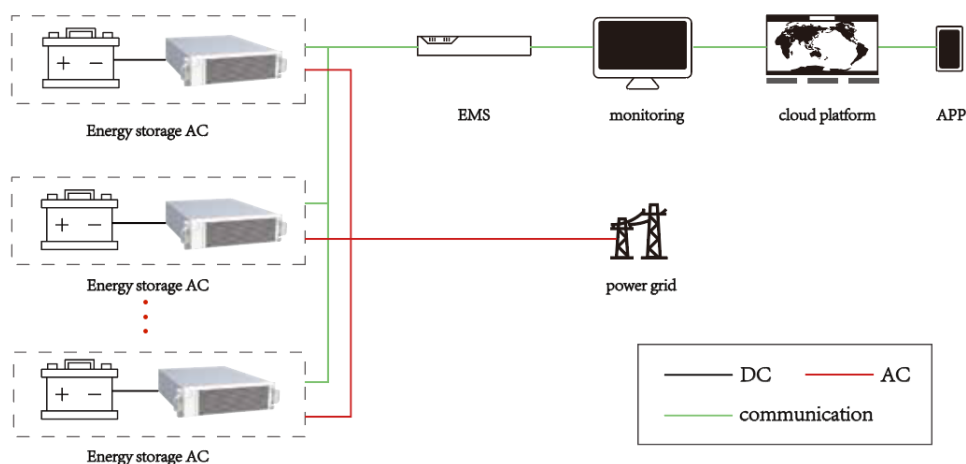


microgrid

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Distributed ESS

Technical Data	CBES-100kW/229kWh
DC	
Cell Type	LFP 3.2V/280Ah
System Configuration	1×1P256S
Rated Power	100/229KWh
Grid-tied AC output	
Rated Charging/Discharging Power	100kW
Rated Voltage	AC400V
Rated Frequency	50Hz/60 Hz
Off-grid AC output	
Rated Output Power	100kW
Rated Output Voltage	AC400V
Rated Output Frequency	50Hz/60Hz
Unbalanced Load Capacity	100%
General	
Dimensions(W×D×H)	1700×1260×2300mm
Weight	3.1t
Operating Temperature	-20℃~+50℃
Relative Humidity	0-95% (No condensation)
Cooling Method	HVAC
Noise Level	≤80dB
Fire Suppression System	Aerosol
Communication Interface	Ethernet
Communication Protocol	Modbus TCP/IP
Code & Compliance	GB/T36276、IEC62619



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