

CBES-60kW/112.5kWh

Highly integrated, efficient and convenient, Hybrid inverter

The air cooled AC/DC integrated outdoor cabin adopts a modular integrated design to achieve 400V AC output, 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.



Highly Integrated

- Modular design 400V AC output
- The battery cluster matches multiple protocols. Whether to configure PCS according to customer requirements.



Smart and Efficient

- Efficient and reliable air cooling system, by heat dissipation design and interconnected between thermal management system, 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
- Multi safety design, fire safety and discharge cell leakage safety design



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 loadshifting



Dynamic expansion



Demand on response



Standby power supply



Microgrid

CBES-Air Cooled AC/DC integrated outdoor cabin

Distributed ESS

Technical Data		CBES-60kW/112.5kWh	
Battery			
Rated Voltage	358.4V	Cell Type	LFP 3.2V/314Ah
Rated Power	112.5kWh	System Configuration	1P112S
Cycle life(0.2C, 25°C)	6000 Cycles @80% DOD	Pack num	7
PV			
Max. Input Power	100kW	Max. Input Current	8*20A
MPPT Operating Voltage Range	150-950V	Number of MPPT Trackers	4
Start-up Voltage	125V	Number of Strings per MPPT	2/2/2/2
AC（On-grid）			
Nominal Output Power	60kW	Max. Output Current	96A
Rated Voltage	AC400V	Switch Time	<20ms
Rated Frequency	50 Hz/60 Hz		
AC（Back-up）			
Nominal Output Power	60kW	Max. Output Current	87A
Rated Voltage	AC400V	Overload Capacity	110% 30s, 120% 10s, 150% 0.2s,
Rated Frequency	50Hz/60 Hz		
AC（DG.）			
Nominal Output Power	60kW	Max. Output Current	87A
Rated Voltage	AC400V	Rated Frequency	50Hz/60 Hz
General			
Dimensions(W×D×H)	1050*1150*2200mm(Excluding PCS) ,750*1150*2200mm(Including PCS)		
Weight	≈ 1.5t		
Operating Temperature	-20°C~~+50°C		
Relative Humidity	0-95%（No condensation）		
Cooling Method	HVAC		
Noise Level	≤75dB		
IP rating	IP54		
Fire Suppression System	Aerosol		
Communication	WIFI/RS485		
Battery Compliance standards	GB/T36276,IEC62619		
PCS Compliance standards	IEC62109,EN61000-6-1/-2/-3/-4,IEC61000		
Grid standard	CEI0-21,EN 50549-1,VDE-AR-N 4105,UNE 217002,NTSTYPEA,G99,AS/NZS 4777.2		

*Information on this catalogue is subject to change without further notice! right to data, parameters and other information. No further notice!