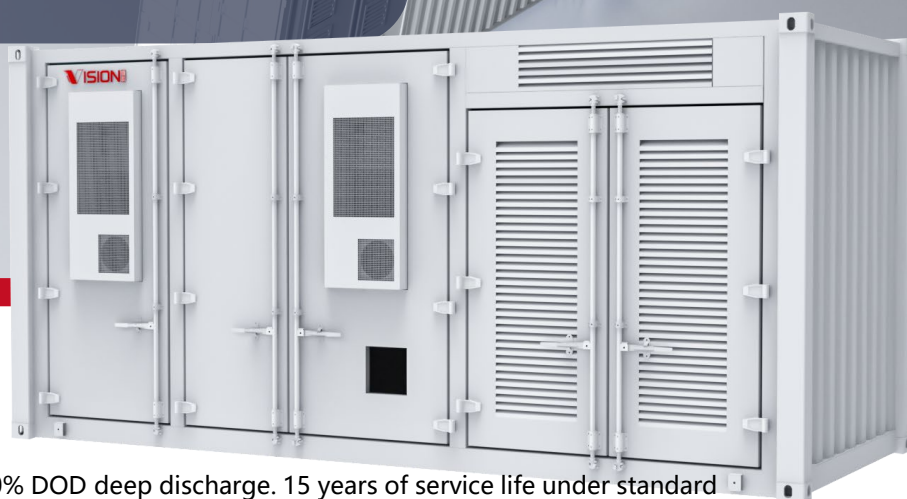


CBES-Industrial and Commercial ESS

Highly integrated, efficient and convenient

Industrial and commercial cabin energy storage system adopts integrated, standard modular design, can be expanded to 1.5MWh +, and supports multiple parallel. It meets the needs of peak shaving and load shifting, dynamic capacity expansion, demand response, backup power supply and microgrid.



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



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 $\leq 7^{\circ}\text{C}$, improve the consistency of the cell



Highly Integrated

- Modular design. standard 20-foot container can be expanded to 1.5MWh +, support multiple parallel
- Standard modular design with integrated 400V/690V AC output



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

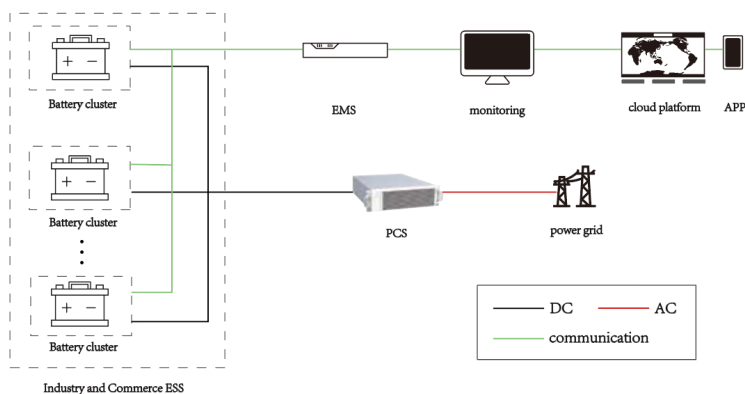


microgrid

CBES- Industrial and Commercial ESS

Industrial and commercial energy storage system

Technical Data	CBES-500KW/1MWh	CBES-500KW/1.72MWh	CBES-630KW/1.72MWh	CBES-1.5MW/3MWh
DC side				
Cell Type	LFP 3.2V/280Ah	LFP 3.2V/280Ah	LFP 3.2V/280Ah	LFP 3.2V/100Ah
System Configuration	5×1P224S	8×1P240S	8×1P240S	8×3P396S
Battery Capacity (BOL)	1003.52KWh	1720.32KWh	1720.32KWh	3041.3KWh
Rated Charge/Discharge Rate	0.5C	0.5C	0.5C	0.5C
Nominal Voltage	716.8V	768V	768V	1267.2V
Voltage Range	627.2-806.4V	672-864V	672-864V	1108.8-1425.6V
Grid-tied AC output				
Rated charging and discharging power	500KW	500kW	630kW	1.5MW
Rated input voltage	AC380V	AC380V	AC380V	AC690V
Rated network frequency	50Hz/60 Hz	50Hz/60 Hz	50Hz/60 Hz	50Hz/60 Hz
Off-grid AC output				
Rated charging and discharging power	500kW	500kW	630kW	1.5MW
Rated input voltage	AC 380V±3%	AC 380V±3%	AC 380V±3%	AC 690V±3%
Rated network frequency	50Hz/60 Hz	50Hz/60 Hz	50Hz/60 Hz	50Hz/60 Hz
General				
Dimensions(W×D×H)	6058×2438×2896mm	6058×2438×2896mm	6058×2438×2896mm	9400×2438×2896mm
Weight	15t	20t	20t	35t
IP grade	IP55	IP55	IP55	IP55
Operating Temperature Range	-20℃~+50℃	-20℃~+50℃	-20℃~+50℃	-20℃~+50℃
Relative Humidity	0-95% (No condensation)	0-95% (No condensation)	0-95% (No condensation)	0-95% (No condensation)
Maximum working altitude	2000m	2000m	2000m	2000m
Cooling Method	Air-cooling	Air-cooling	Air-cooling	Air-cooling
Noise Level	≤80dB	≤80dB	≤80dB	≤80dB
Fire Suppression System(optional)	heptafluoropropane	heptafluoropropane	heptafluoropropane	heptafluoropropane
Communication Interface	Ethernet	Ethernet	Ethernet	Ethernet
Communication Protocol	Modbus TCP/IP	Modbus TCP/IP	Modbus TCP/IP	Modbus TCP/IP
Region	North America/Europe/China	North America/Europe/China	North America/Europe/China	China
Code & Compliance	GB/T36276、IEC62619	GB/T36276、IEC62619	GB/T36276、IEC62619	GB/T36276、IEC62619



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