

# CESS ENERCUBE

DISTRIBUTED ENERGY CABINET, ADOPTED ALL-IN-ONE DESIGN



## Longer Service Life

Select high quality LFP cell dedicated for energy storage, cycle life of more than 8000 times.



## Thermal Management System

Air cooling is adopted to maintain each cell of the battery pack at the appropriate temperature to ensure battery performance and cycle life.



## Intelligent Control

The module unit contains a complete intelligent system, which can be remotely monitored and unattended; it can realize the effective control of PCS, BMS and load.



## Efficient Equalization BMS

single series design + efficient equalization technology, the system parallel capacity loss is 0.



## Active Safety System

Partition safety isolation, pack-level active safety warning unit + immersion fire protection, to ensure fire control.



## Standardized Design

Standardized design for lower O&M costs, standardized production for fast delivery, and lower overall lifecycle costs.



## Modular Design

Infinite parallel connection can realize elastic expansion and fully modular maintenance of the energy storage power station; supporting multi-scene applications from kWh to MWh level.



## Single Cabinet

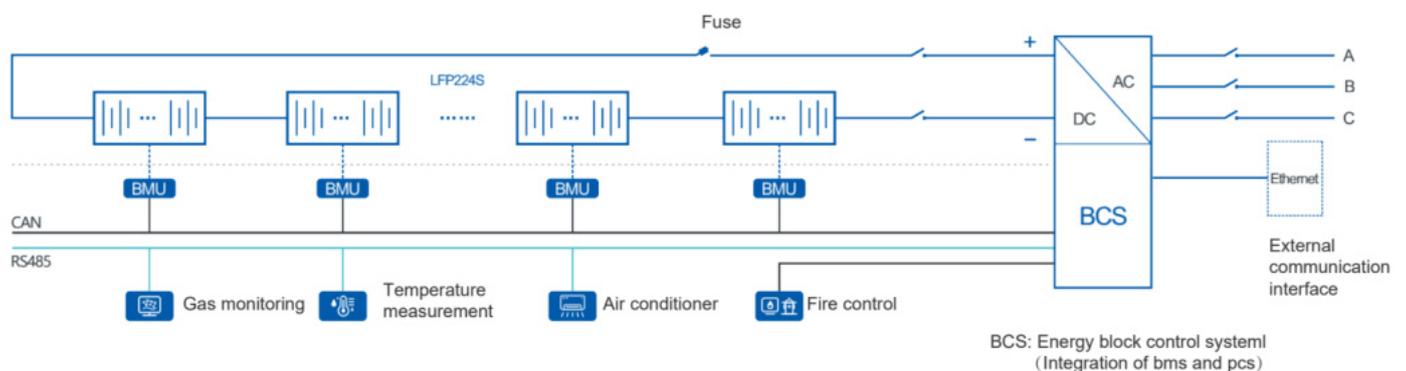
Single cabinet < 1.4m<sup>2</sup>; IP55 defense can be flexibly deployed based on site location.

# SPECIFICATIONS

Model	CIES-200kWh
<b>DC battery parameters</b>	
Types of batteries	LFP 280Ah
Battery pack configuration	14.336kWh/1P16S
Battery system configuration	200kWh/1P224S
Battery voltage range	627~806V
Number of temperature measurements	140
AC rated power	100kW
AC maximum power	110kW
AC current distortion rate	< 3%
DC component	< 0.5%I <sub>pn</sub>
Grid voltage range	400V
Power factor	-1~+1
Rated grid frequency	50Hz/60Hz
<b>System parameters</b>	
Maximum system efficiency	≥ 91%
Charge/discharge ratio	≤ 0.5C
The depth of discharge	100%DOD
Cycles	> 8000
Communication interface	CAN/RS485/LAN
Protection grade	IP55
Type of cooling	Air-cooled air conditioning
Operating temperature	-35°C~+55°C
Relative humidity	5~95%RH,no condensation
Noise	< 70dB
Altitude	< 2000m
Size (W*H*D)	1200*2350*1050mm
Fire fighting system	Aerosol + Pack-level immersion + Active warning
Weight	2600kg

The above data may be updated, which is subject to the physical object.

## SYSTEM TOPOLOGY



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