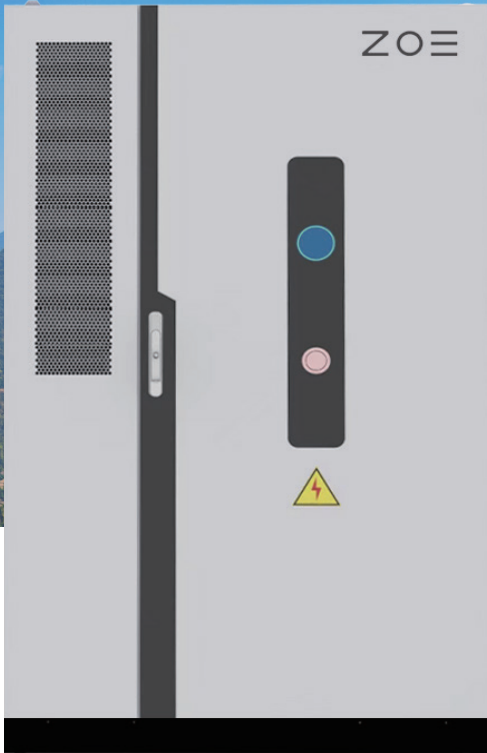




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WEBSITE



Built for Hill

## Z BOX-H

Battery Energy Storage System (Liquid Cooling)

C372L-D-EU

372kWh | 0.5C

### General data

|                             |                                          |
|-----------------------------|------------------------------------------|
| DOD                         | 95%                                      |
| Degree of protection        | IP55 ( Battery room )                    |
| Cooling concept             | Liquid cooling                           |
| Heating concept             | Liquid heating                           |
| Fire suppression system     | Aerosol                                  |
| Operating temperature range | -20~55 °C                                |
| Relative humidity           | 5%~95% RH                                |
| Max.working altitude        | 2000 m                                   |
| Display                     | APP/ Web/ LED                            |
| COM interfaces              | RS485/ Ethernet                          |
| Dimensions(W*D*H)           | 1370*1330*2270 mm                        |
| Weight                      | 3550±50 kg                               |
| Warranty                    | 5 year, 6000 times @ 25°C / 0.5C/ EOL60% |

### Battery data

|                              |                 |
|------------------------------|-----------------|
| Cell type                    | LFP             |
| Rated capacity               | 280 Ah          |
| Serial-parallel type         | 1P416S          |
| Rated capacity per pack      | 46.592 kWh      |
| Pack number                  | 8               |
| System rated energy capacity | 372.736 kWh     |
| DC rated voltage             | 1331.2 V        |
| DC voltage range             | 1164.8~1497.6 V |
| Rated DC current             | 140 A           |
| Max. DC current              | 160 A           |

## Z PCS

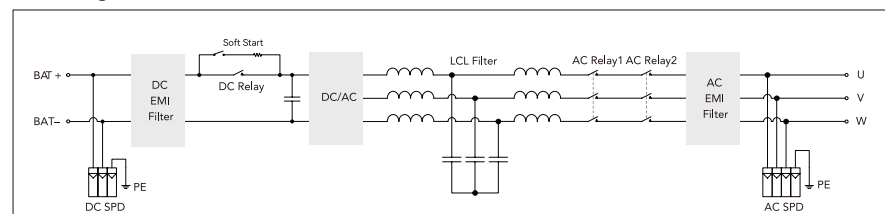
ZOE-ECS200-HB-A 200kW

- Charge/discharge each cluster independently
- Fast plug and play, easy expansion
- C5M anti-corrosion grade
- Parallel in AC side (maximum 40 sets)
- Grid-forming/black start capability

- Safe and reliable
- Modular design philosophy
- No need advanced technical service personnel
- Horizontal and vertical mounting thermal design
- Higher battery capacity utilization



### Circuit diagram



Dedicated to Being a Global Force in Transforming Energy Structures



## Safe & Reliable

- Cabinets physically separated for safety
- SMS System for layered security
- High-quality, efficient lithium batteries
- Full lifecycle management



## Flexible Deployment

- Modular design for easy expansion
- Enables centralized deployment, decentralized deployment, and integration with solar storage charging



## Cost-efficient

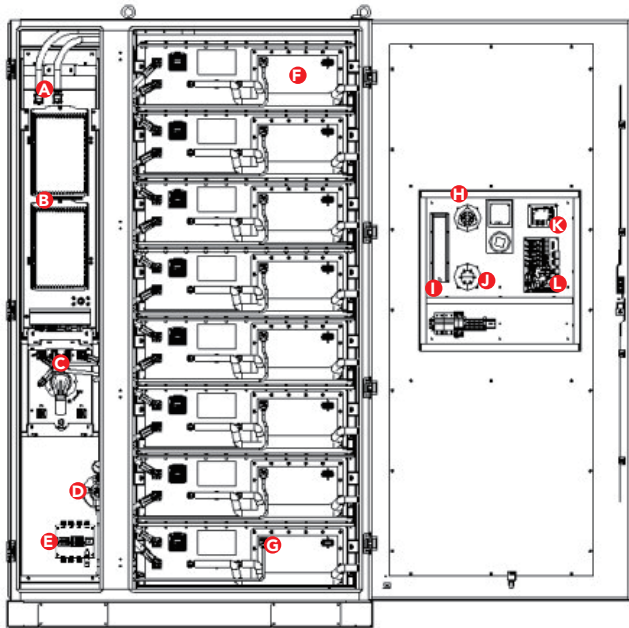
- Rapid power response for virtual power plants, grid connection, and off-grid operation
- Intelligent balancing strategies maintain battery consistency
- Dynamic energy regulation strategy switching



## Smart Management

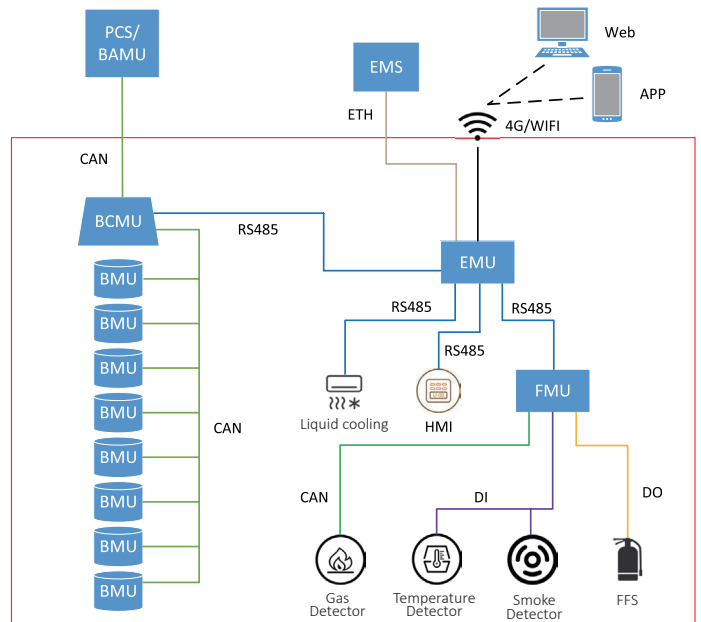
- Cloud-edge-end collaboration for 24/7 monitoring, ensuring safe and stable equipment operation
- Cloud-based big data and intelligent algorithms for flexible system strategy adjustment

## Product structure



- |                                |                                            |
|--------------------------------|--------------------------------------------|
| [A] - Liquid-cooling piping    | [G] - Fire Suppression Pipeline            |
| [B] - Liquid Cooling System    | [H] - Temperature-sensitive fire detectors |
| [C] - High voltage control box | [I] - FFS(Aerosol)                         |
| [D] - FFS (Perfluoro)          | [J] - Smoke detectors for fire detection   |
| [E] - Waterproof Junction Box  | [K] - FFS Control Panel                    |
| [F] - Battery modules          | [L] - Main Control Board                   |

## Communication architecture



Generation/Grid Side Renewable Energy with Storage



C&I Renewable Energy with Storage



Renewable Energy with Storage in High-Altitude Areas



## ABOUT ZOE

ZOE Energy Storage, a pioneer in integrating investment, operation of energy storage stations, and the R&D, manufacturing, and sales of energy storage systems, has its global headquarters in Shanghai. With its R&D center in Jiangsu and joint laboratories established with top universities and international institutions, ZOE advances the development and application of energy storage technology. The company operates 14GWh intelligent energy storage factories in Jiangxi and Sichuan and has established the ZOE Digital Center in Shanghai. Leveraging outstanding R&D capabilities and innovative approaches, ZOE delivers both standardized and tailored energy storage solutions, bridging grids and scenarios for organized electricity use and balanced loads.

As a subsidiary of the ZOE Energy Group, ZOE Energy Storage contributes to the group's overarching mission. Founded in 2013, ZOE Energy Group is a high-tech enterprise dedicated to the development, investment, and management of new energy projects. Targeting carbon neutrality, the Group has developed 23 utility-scale solar projects with a combined capacity of 3.53GW and is progressing with wind, photovoltaic projects of 1.23GW. With a cumulative investment exceeding \$3.6 billion, the Group has realized an annual compound growth rate of 183%, underscoring its commitment to sustainable energy development.