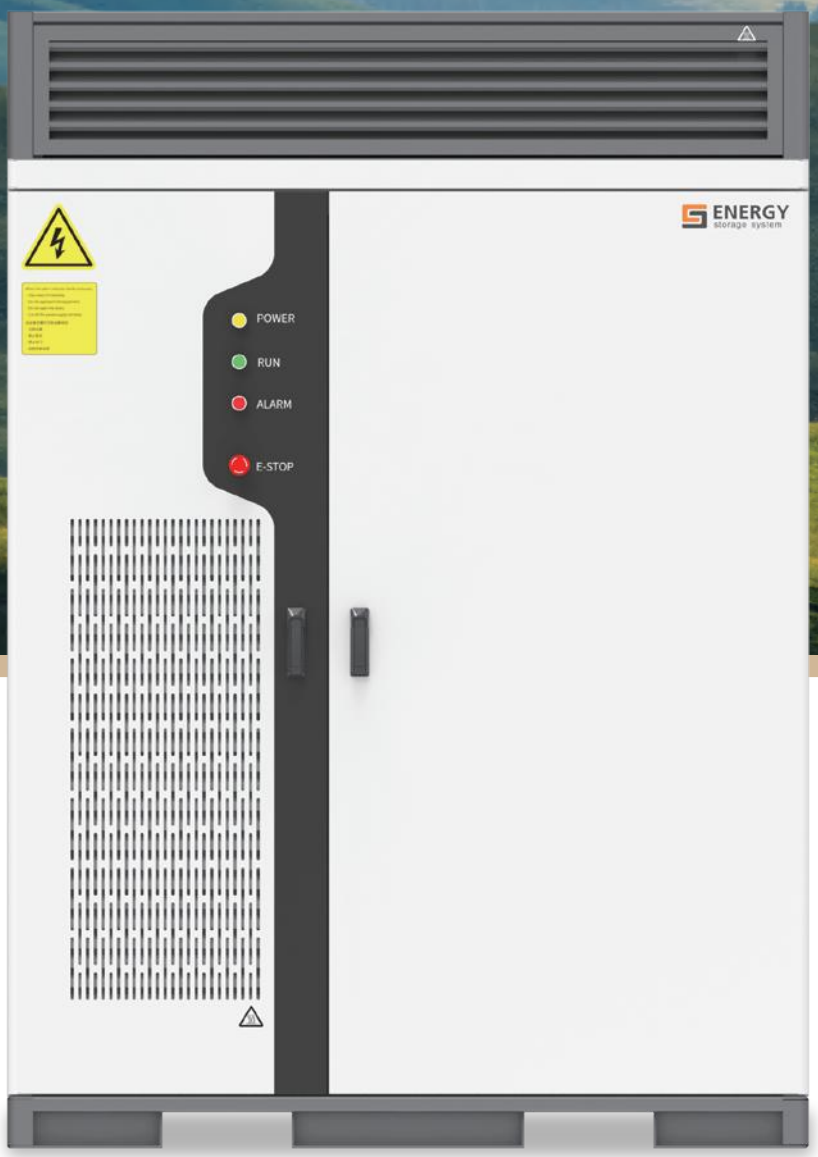
ENERGY
storage system

CBS-372kWh-Y
Battery Energy Storage System



Safe and Reliable

- Safely Separated Cabinet Layout for Physical Isolation
- Equipped with Safety Management System (SMS) for multiple safety protections
- Uses CATL's high-quality, safe, and efficient LFP cells
- Full lifecycle management

Economical and Efficient

- Rapid power response, supporting various modes like virtual power plants, on-grid, off-grid, etc
- Intelligent balancing strategy to ensure battery lifecycle consistency
- Dynamic switching of energy regulation strategies

Flexible Deployment

- Structured design, easy to expand
- Supports centralized, decentralized deployment, and integration with photovoltaic storage and charging

Data Management

- Cloud-Edge-End collaboration with 24/7 performance monitoring for safe and stable operation
- Cloud-based big data and intelligent algorithms for flexible system strategy adjustment

Tel: +86-574-65292531 Web: www.gs-ess.com E-mail: service@gsmarte.com
No.2, Xingke West Road, Meiqiao Industrial Zone, Meilin Street, Ninghai County, Ningbo City, Zhejiang Province, China

Project	System Parameters
Battery Data	
Cell type	LFP (LiFePO4)
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
Maximum DC current	160 A
General Data	
DOD	95%
Ingress 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%
Maximum working	2000 m
Display	App / Web / LED
COM interfaces	RS485 / Ethernet
Dimensions (WxDxH)	1370x1330x2270 mm
Weight	3550±50 kg