



250kW/1MWh Industrial & Commercial Energy Storage Solutions



High Safety

- Self-developed patented automatic assembly technology
- Safe and stable low-voltage operation
- No overheating, no explosion; safe and reliable

High Protection

- Anti-island protection, AC short circuit protection
- DC reverse connection protection, output over-current protection
- AI monitors PV string faults

High Integration

- Integrates 250kW/1MWh, unified design
- Supports PV input (Optional), grid input and generator input
- Supports On-grid operation, Off-grid operation

Zero disturbance

- Natural cooling, silent operation
- Ultra-slim body, flexible installation footprint

Smart Cloud

- LCD smart display interface, supports WIFI/4G
- Cloud data connection, monitors device status anytime via mobile/PC

Multi-scenario

- Modular unit design. easy disassembly/installation
- Zero commissioning; quick adaptation to diverse conditions



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| Model | 250kW/1MWh |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------|
| AD Side Parameters | |
| Rated Output Power | 250kW |
| Maximum AC Current | 480A@45°C |
| Permissible Grid Frequency | 50/60Hz |
| Permissible Grid Voltage | 315-450Vac |
| AC Rated Current | 361A@45°C |
| Output Mode | On grid/Off grid (Optional) |
| Protection | Anti-islanding protection, Output overcurrent protection, DC reverse connection protection, String fault detection, etc. |
| DC Side Parameters | |
| Maximum DC Power | 320kW@45°C |
| DC Voltage Range | 560-850Vdc |
| Maximum Current | 500A@45°C |
| Battery Parameters | |
| Battery Type | OPzV Solid lead battery |
| Cell Voltage | 2V |
| Cell Capacity | 770Ah |
| Energy Storage Capacity | 1MWh |
| Battery Number | 336S2P |
| Voltage Range | 604.8~789.6V |
| Rated Battery Voltage | 672Vdc |
| General Parameters | |
| Dimensions(W*H*D) | 8500*2980*3450mm |
| Weight | 50t |
| Operating Temperature Range | -20~50°C |
| Cooling Method | Intelligent air-cooled |
| Maximum Operating Altitude | 2000m (2000m-4000m derating) |
| Operating Humidity | 0~95% (Condensation-free) |
| IP Code | IP54 |
| Display | LCD |
| Communication | RS485/LAN |