

125kW/500kWh 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 125kW/500kWh, 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



Model	125kW/500kWh
AD Side Parameters	
Rated Output Power	125kW
Maximum AC Current	240A@45°C
Permissible Grid Frequency	50/60Hz
Permissible Grid Voltage	315-450Vac
AC Rated Current	180A@45°C
Output Mode	On grid/Off grid (Optional)
Protection	Anti-islanding protection, Output overcurrent protection, DC reverse connection protection, String fault detection, AC/DC surge protection, etc.
DC Side Parameters	
Maximum DC Power	160kW@45°C
DC Voltage Range	560-850Vdc
Maximum Current	250A@45°C
Battery Parameters	
Battery Type	OPzV Solid lead battery
Cell Voltage	2V
Cell Capacity	770Ah
Energy Storage Capacity	500kWh
Battery Number	336
Voltage Range	604.8~789.6V
Rated Battery Voltage	672Vdc
General Parameters	
Dimensions(W*H*D)	6058*2438*3450mm
Weight	30t
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