



50kW/200kWh 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 50kW/200kWh, unified design.
- Supports PV input (Optional), grid input and generator input
- Supports On-grid, Off-grid(Optional) 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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50kW/200kWh Technical Parameters

Model	50kW/200kWh
DC Side Parameters	
Maximum DC Power	80kW
Maximum Current	125A
DC Voltage Range	560-850Vdc
AC Side Parameters	
Rated Output Power	62.5kW
Maximum AC Current	120A
Rated AC Voltage	400Vac
Rated AC Current	86A
Grid Frequency	50Hz/60Hz
Grid Voltage	315-450Vac
Output Mode	On-grid
Protection	Anti-islanding protection, Output overcurrent protection, DC reverse connection protection, String fault detection, AC/DC surge protection, AC short-circuit protection
Battery Parameters	
Battery Type	OPzV Solid lead battery
Cell Voltage	2V
Cell Capacity	300Ah
Energy Storage Capacity	200kWh
Battery Number	352
Voltage Range	633.6~827.2V
Rated Battery Voltage	704Vdc
General Parameters	
Dimensions(W*H*D)	4520*1200*2655
Weight	11.2t
Operating Temperature Range	-20°C~50°C
Cooling Method	Intelligent air-cooled
Maximum Working Altitude	0~2000m (2000-4000 derating)
Operating Humidity	0~95% (Condensation-free)
IP Code	IP54
Display	LCD
Communication	RS485/CAN/LAN