



10kW/40kWh Residential Energy Storage Solutions



High Safety

- Self-developed patented automatic assembly technology
- Safe and stable low-voltage operation
- Passed national fire safety certification
- 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 10kW/40kWh, unified design.
- Supports PV and grid input
- Supports On/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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10kW/40kWh Technical Parameters

Model	10kW/40kWh
PV Parameters	
Maximum Power	15kW
Maximum Voltage	550V
MPPT Voltage Range	80-500V
MPPT Number	2
Number of Connectable Strings per MPPT	1/2
Maximum Input Current per MPPT	16A/16A+16A
Rated PV Input Voltage	360V
Starting Voltage	100V
AC Parameters	
Rated Output Power	10kW
Maximum Output Current	43.5A
Grid Input Voltage	230V
Maximum Apparent Output Power	10kVA
Rated Grid Frequency	50Hz/60Hz
Output Mode	On Grid (Default) /Off Grid /Hybrid
Protection	Anti-islanding protection, AC output overcurrent protection, Ground fault protection, Leakage protection, AC overvoltage/undervoltage protection, etc.
Battery Parameters	
Battery Type	OPzV Solid lead battery
Cell Voltage	2V
Cell Capacity	770Ah
Energy Storage Capacity	40kWh
Battery Number	24
Voltage Range	43.2~56.4V
Rated Battery Voltage	48Vdc
General Parameters	
Dimensions(W*H*D)	1600*800*2370
Weight	1900kg
Operating Temperature Range	-25°C~60°C
Cooling Method	Intelligent air-cooled
Maximum Working Altitude	0~2000m (>2000 derating)
Operating Humidity	0~95% (Condensation-free)
IP Code	IP54
Display	LCD
Communication	RS485/CAN/WiFi (Optional)