

# 500kW/2MWh 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 500kW/2MWh, 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



<b>Model</b>	<b>500kW/2MWh</b>
<b>AD Side Parameters</b>	
<b>Rated Output Power</b>	<b>500kW</b>
<b>Maximum AC Current</b>	<b>1090A@45°C</b>
<b>Permissible Grid Frequency</b>	<b>50/60Hz</b>
<b>Permissible Grid Voltage</b>	<b>315-450Vac</b>
<b>AC Rated Current</b>	<b>722A@45°C</b>
<b>Output Mode</b>	<b>On grid/Off grid (Optional)</b>
<b>Protection</b>	<b>Anti-islanding protection, Output overcurrent protection, DC reverse connection protection, String fault detection, etc.</b>
<b>DC Side Parameters</b>	
<b>Maximum DC Power</b>	<b>640kW@45°C</b>
<b>DC Voltage Range</b>	<b>560-850Vdc</b>
<b>Maximum Current</b>	<b>1008A@45°C</b>
<b>Battery Parameters</b>	
<b>Battery Type</b>	<b>OPzV Solid lead battery</b>
<b>Cell Voltage</b>	<b>2V</b>
<b>Cell Capacity</b>	<b>770Ah</b>
<b>Energy Storage Capacity</b>	<b>2MWh</b>
<b>Battery Number</b>	<b>336S4P</b>
<b>Voltage Range</b>	<b>604.8~789.6V</b>
<b>Rated Battery Voltage</b>	<b>672Vdc</b>
<b>General Parameters</b>	
<b>Dimensions(W*H*D)</b>	<b>13700*2980*3450mm</b>
<b>Weight</b>	<b>96t</b>
<b>Operating Temperature Range</b>	<b>-20~50°C</b>
<b>Cooling Method</b>	<b>Intelligent air-cooled</b>
<b>Maximum Operating Altitude</b>	<b>2000m (2000m-4000m derating)</b>
<b>Operating Humidity</b>	<b>0~95% (Condensation-free)</b>
<b>IP Code</b>	<b>IP54</b>
<b>Display</b>	<b>LCD</b>
<b>Communication</b>	<b>RS485/LAN</b>