

# Residential Energy Storage System 16 kWh

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## Safe and Stable

- Lithium iron phosphate energy storage cells, with a cycle life of  $\geq 11,000$  cycles, ensuring safety and reliability.
- Automotive-grade BMS provides data acquisition, monitoring, and protection functions to safeguard the battery.

## Exceptional Performance

- Large-capacity energy storage ensures worry-free operation after grid power loss.
- IP30 protection rating meets indoor installation requirements.

## Easy Installation

- Preset cables and connectors, plug-and-play
- Compact design with floor-standing installations, enabling rapid configuration.

## Flexible Configuration

- Single-cell capacity: 16.07kWh, supports multiple units in parallel.
- Compatible with multiple hybrid inverter models.

## Specifications

Model	ESS-51.2/314-DC-A
Battery Type	LiFePO <sub>4</sub>
Pack Configuration	1P16S
Battery Energy	16076Wh
Battery Capacity	314Ah
C <sub>ell Life</sub>	≥11000cls@(25±2)°C, 0.5P, 70%SOH
Nominal Voltage	51.2Vdc
Voltage Range	43.2Vdc- 58.4Vdc
Recommended Charge/Discharge Current	100A
Maximum Charge/Discharge Current	200A
IP Rating	IP30
Operating Altitude	≤2000m
Recommended Charge Temperature	0°C~45°C
Recommended Discharge Temperature	-20°C~45°C
Recommended Storage Temperature	-20°C~60°C
Cooling	Natural Cooling
Dimensions (W×D×H)	520mmx240mmx781.2mm
Weight	118±2kg
Certification Compliance	UN38.3/CE/IEC 62619

\*In case the product size and specifications vary, please refer to the most up-to-date information.

