

ALM51314 (51,2V - 314Ah)

LiFePO4 Lithium Battery

Wheel-Mounted Model

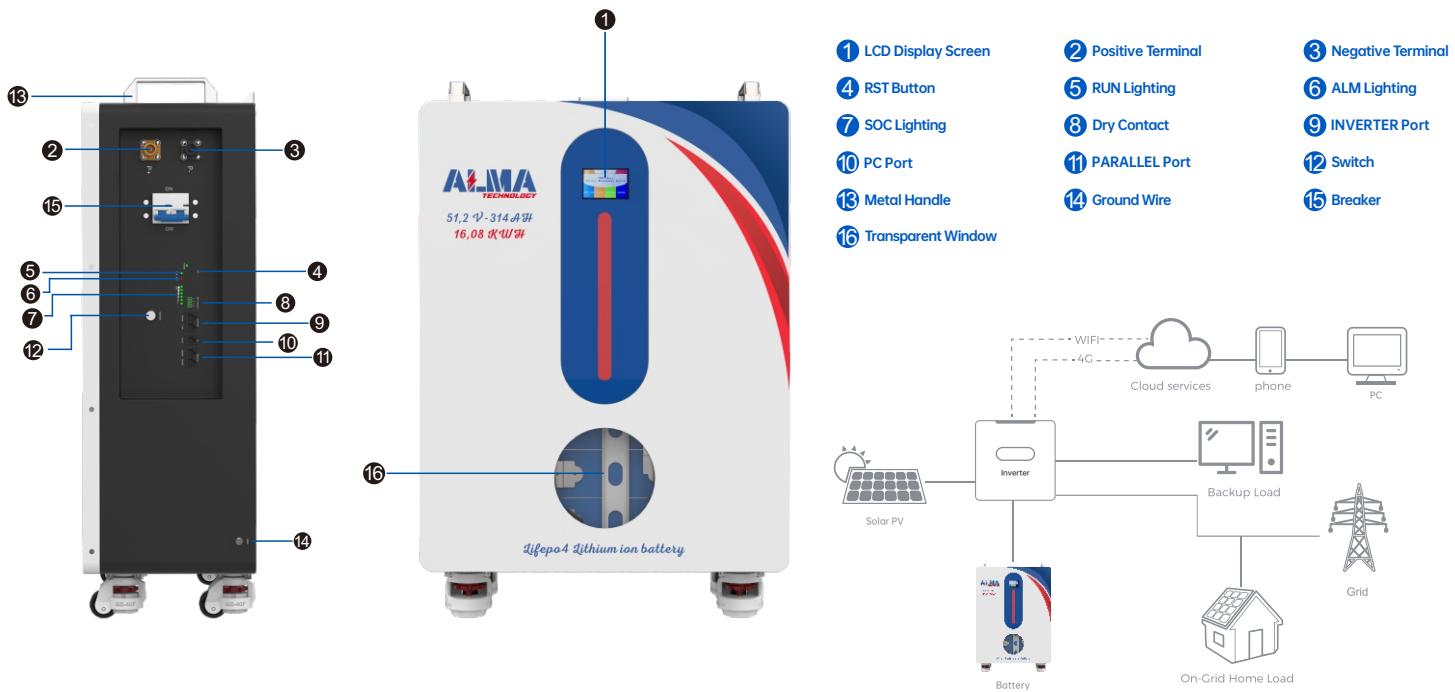


IEC CE RoHS UN38.8



Product Features

- Brand-new cells ensure long lifespan, excellent stability, and reliable safety—ideal for daily home energy storage.
- Delivers 16077Wh of energy, perfect for storing solar power or serving as backup during outages.
- Built-in LED indicators show real-time battery charge level, making energy management simple and intuitive.
- Intelligent Battery Management System ensures safe operation with protection from overcharging, over-discharging, and short circuits.
- Compact, lightweight, and housed in a strong ABS enclosure—easy to install and suitable for residential environments.



Model
ALM51314 (51.2 V - 314 Ah)

Rated Voltage	51.2V
Rated Capacity	314Ah
Cell Model	EVE MB31 314 AH
Rated Energy	16.07kWh
Output Voltage Range	43.2V~58.4V
Charging Voltage	57.6V~58.4V
Cut-off Voltage	43.2V
Max. Charging Current	200A
Recommended Charging Current	100A
Max. Discharging Current	200A
Efficiency	>99%
Dimension L*W*H (mm)	700*550*255
Weight (kg)	≈121
Humidity	5%~95% Relative humidity
Charging Temperature	0°C~55°C
Discharging Temperature	-20°C~60°C
Storage Temperature	-10°C~30°C
Cycle Life	≥8000 times (0.2C, @25°C, 80%DOD)
Design Life	15 years
Warranty Life	12 years
BMS Type	PACE BMS 200A 3.5 inch touch screen

Application scenarios

