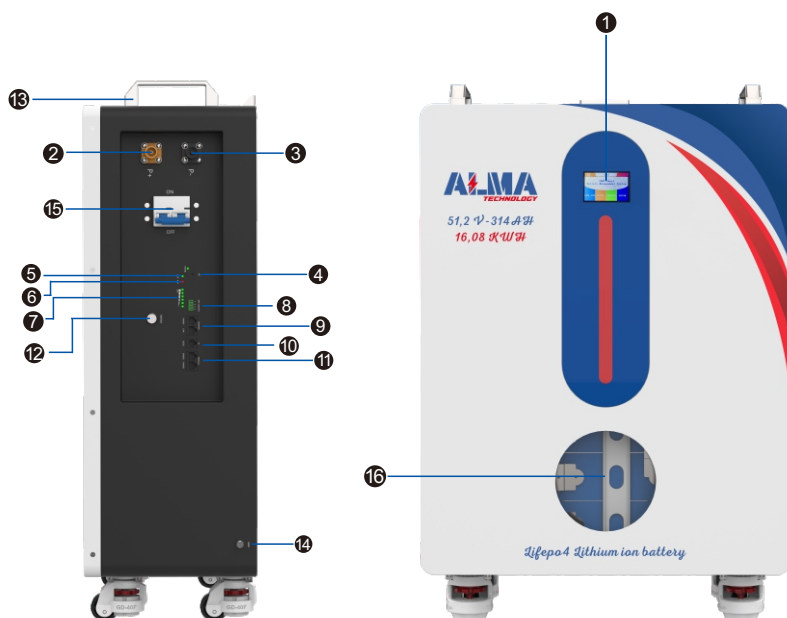


ALM51314 (51,2V - 314Ah) LiFePO4 Lithium Battery Wheel-Mounted Model

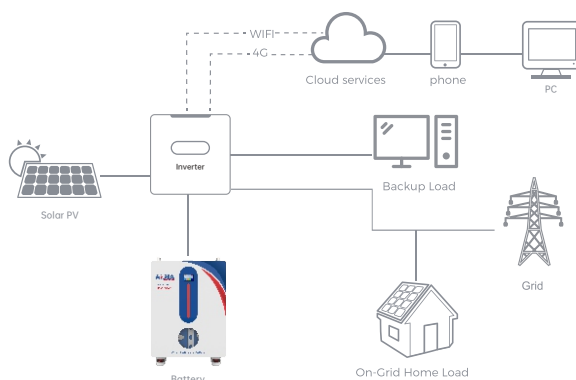


Product Features

- 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.



- | | | |
|-----------------------|---------------------|---------------------|
| 1 LCD Display Screen | 2 Positive Terminal | 3 Negative Terminal |
| 4 RST Button | 5 RUN Lighting | 6 ALM Lighting |
| 7 SOC Lighting | 8 Dry Contact | 9 INVERTER Port |
| 10 PC Port | 11 PARALLEL Port | 12 Switch |
| 13 Metal Handle | 14 Ground Wire | 15 Breaker |
| 16 Transparent Window | | |



| 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



Villa



Private Home



Manor



Small farm