

# ALM24100 (25,6V - 100 Ah)

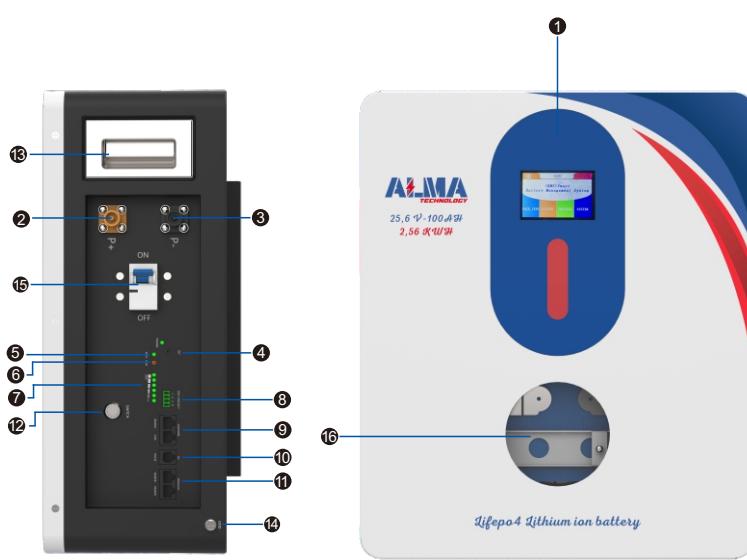
## LiFePO4 Lithium Battery

### Wall-Mounted Model

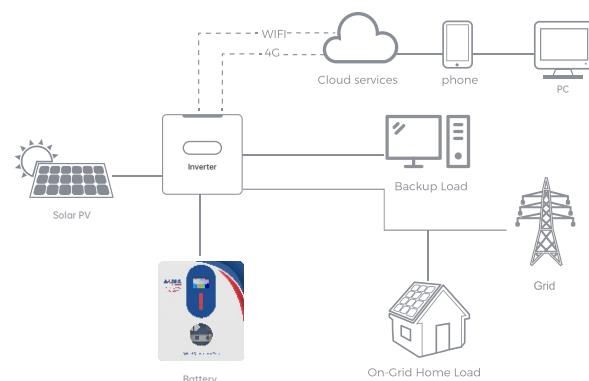


### Product Features

- Brand-new cells ensure long lifespan, excellent stability, and reliable safety—ideal for daily home energy storage.
- Delivers 2560Wh 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                        | ALM24100 (25.6 V - 100 Ah )         |
|------------------------------|-------------------------------------|
| Rated Voltage                | 25.6V                               |
| Rated Capacity               | 100Ah                               |
| Cell Model                   | EVE LF100LA 102 AH                  |
| Rated Energy                 | 2.56kWh                             |
| Output Voltage Range         | 21.6V~29.2V                         |
| Charging Voltage             | 28.8~29.2V                          |
| Cut-off Voltage              | 21.6V                               |
| Max. Charging Current        | 100A                                |
| Recommended Charging Current | 50A                                 |
| Max. Discharging Current     | 100A                                |
| Efficiency                   | >99%                                |
| Dimension L*W*H ( mm )       | 450*380*175                         |
| Weight ( kg )                | ≈28                                 |
| 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                   | >6000 times ( 0.2C, @25°C, 80%DOD ) |
| Design Life                  | 15 years                            |
| Warranty Life                | 12 years                            |
| BMS Type                     | PACE BMS 100A 3.5 inch touch screen |

## Application scenarios

