

# Lithium Battery

## LFP24100



### Features Of LiFePO4 Battery

- Ultra light weight
- High integration, small size, high energy density
- Eco-friendly clean energy
- Long lifespan sustainable
- High efficiency

### Application scenarios

- Electric vehicles, Electric mobility
- Solar/wind energy storage system
- Telecommunication
- Medical equipment
- Lighting

### Specification

|                          |                                 |
|--------------------------|---------------------------------|
| Nominal Voltage          | 25.6V                           |
| Working Voltage          | 20-29.2V                        |
| Nominal Capacity         | 100.0Ah                         |
| Energy                   | 2560Wh                          |
| Self Discharge           | ≤3% Per Month                   |
| IP Grade                 | IP65                            |
| Positive material        | Lithium ironphosphate           |
| Cell type                | Prismatic                       |
| Combination method       | 100Ah,1P8S                      |
| Weight                   | ABOUT 20.6KG                    |
| Dimension LxWxH          | L522W240H218mm                  |
| Fixed size               | NO                              |
| Terminal Type            | M8                              |
| Shell type               | ABS                             |
| Handle                   | Yes                             |
| Storage Temp. short term | 0-45°C                          |
| Storage Temp. long term  | 0-30°C                          |
| Cycle Life               | 5000 cycles                     |
| Heating function         | No                              |
| Cooling type             | No                              |
| Insulation               | 20MΩ/1000VDC,<br>@25±5°C, RH50% |
| Connection options       | Up to 4P in parallel            |



### Charging

|                         |        |
|-------------------------|--------|
| Recom. Charging Current | 50.0A  |
| Upper limit voltage     | 29.2V  |
| Charging Temp. Range    | 0~55°C |

### DisCharging

|                          |          |
|--------------------------|----------|
| Max Continuous Discharge | 100.0A   |
| Max Discharge current    | 150A@1s  |
| Lower limit voltage      | 20.0V    |
| BMS Voltage Recovery     | 22.4V    |
| Discharge Temp. Range    | -20-60°C |

### Function (optional)

(CAN/RS485), Bluetooth, Screen, Charger

### Physical Dimension-mm

