

# Lithium Battery

## LFP1218



### 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          | 12.8V                           |
| Working Voltage          | 10-14.6V                        |
| Nominal Capacity         | 18.0Ah                          |
| Energy                   | 230.4Wh                         |
| Self Discharge           | ≤3% Per Month                   |
| IP Grade                 | IP65                            |
| Positive material        | Lithium ironphosphate           |
| Cell type                | Cylindrical                     |
| Combination method       | 3.4Ah,6P4S                      |
| Weight                   | ABOUT 2.6KG                     |
| Dimension LxWxH          | L181.5W77H167.5mm               |
| Fixed size               | NO                              |
| Terminal Type            | T3                              |
| Shell type               | ABS                             |
| Handle                   | No                              |
| Storage Temp. short term | -20-50°C                        |
| Storage Temp. long term  | -20-25°C                        |
| Cycle Life               | 5000 cycles                     |
| Heating function         | No                              |
| Cooling type             | No                              |
| Insulation               | 20MΩ/1000VDC,<br>@25±5°C, RH50% |
| Connection options       | 4S4P                            |



### Charging

|                         |        |
|-------------------------|--------|
| Recom. Charging Current | 6.0A   |
| Upper limit voltage     | 14.6V  |
| Charging Temp. Range    | 0~45°C |

### DisCharging

|                          |          |
|--------------------------|----------|
| Max Continuous Discharge | 10.0A    |
| Max Discharge current    | 65A@5ms  |
| Lower limit voltage      | 10.0V    |
| BMS Voltage Recovery     | 11.2V    |
| Discharge Temp. Range    | -20-60°C |

### Physical Dimension-mm

