

# Lithium Battery -AGV Series

## AP48-30



### Features Of LiFePO4 Battery

- Long cycle life
- High integration, small size, high energy density
- Intelligent management of product usage status with high security
- Environmental protection
- Capable of 1C fast charging

### Application scenarios

- Electric motorcycle
- Electric bicycles
- Electric tricycle
- Small motor vehicles

### Specification

|                          |                                  |
|--------------------------|----------------------------------|
| Nominal Voltage          | 51.2V                            |
| Working Voltage          | 40-58.4V                         |
| Nominal Capacity         | 30Ah                             |
| Energy                   | 1536Wh                           |
| Self Discharge           | ≤3% Per Month                    |
| IP Grade                 | IP67                             |
| Positive material        | Lithium ironphosphate            |
| Cell type                | cylindrical                      |
| Combination method       | 30Ah1P165                        |
| Weight                   | ABOUT 16.0KG                     |
| Dimension LxWxH          | L170W180H300mm                   |
| Fixed size               | NO                               |
| Terminal Type            | M3 Terminal Bolts, 12±2N.m       |
| Shell type               | Powder Coated Steel              |
| Handle                   | YES                              |
| Storage Temp. short term | 30-45 °C                         |
| Storage Temp. long term  | 20-35 °C                         |
| Cycle Life               | 5000 cycles                      |
| Heating function         | No                               |
| Cooling type             | No                               |
| Insulation               | 20MΩ/1000VDC,<br>@25±5 °C, RH50% |



### Charging

|                         |         |
|-------------------------|---------|
| Recom. Charging Current | 15A     |
| Upper limit voltage     | 58.4V   |
| Charging Temp. Range    | 0~55 °C |

### DisCharging

|                          |           |
|--------------------------|-----------|
| Max Continuous Discharge | 30A       |
| Max Discharge current    | 90A@0.1S  |
| Lower limit voltage      | 40.0V     |
| BMS Voltage Recovery     | 44.8V     |
| Discharge Temp. Range    | -20-60 °C |

### Function (optional)

(CAN/RS485), Bluetooth, 4G, Screen, Charger

### Physical Dimension-mm

