

# 12.8V 100Ah LITHIUM BATTERY



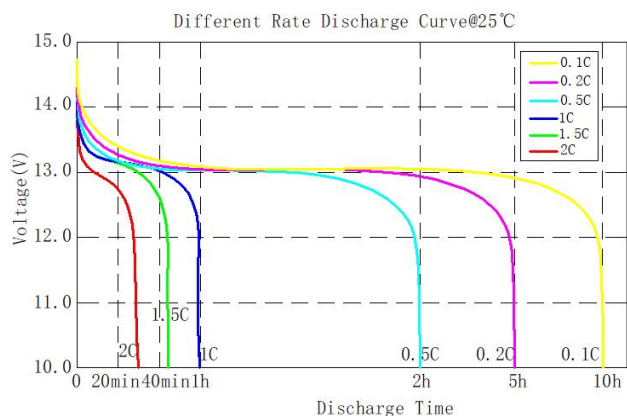
## ► Features

- A grade brand new prismatic LiFePO4 cells
- > 5000 cycles @80% DOD(25°C, 0.5C )
- Over charge, over discharge, over temperature, low temperature, over current and short circuit protection
- Easy installation and maintenance free
- Cell balance function
- ABS Case, corrosion and high temperature resistance
- Certificate: UN38.3, MSDS, IEC62619, CE-RED, ROHS
- Max 4 battery packs can be connected in series/parallel

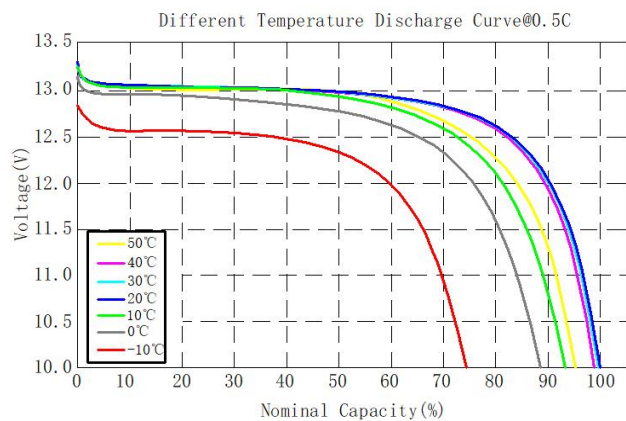
## ► Electrical Characteristics

| Model                              |  | LFP1.28KWH12.8V-P65L2                      |
|------------------------------------|--|--------------------------------------------|
| Battery Type                       |  | LiFePO4                                    |
| Nominal Voltage (V)                |  | 12.8                                       |
| Nominal Capacity (AH)              |  | 100                                        |
| Energy (WH)                        |  | 1280                                       |
| Pack Mode                          |  | 4S1P                                       |
| Continuous Discharge Current (A)   |  | 50                                         |
| Charge Cut-off Voltage (V)         |  | 14.4                                       |
| Discharge Cut-off Voltage (V)      |  | 10.4                                       |
| Max.Charge Current (A)             |  | 100                                        |
| Max.Discharge Current (A)          |  | 150                                        |
| Peak Discharge Current (A)         |  | 180@10S                                    |
| Recommend Discharge Current (A)    |  | 50                                         |
| Recommend Discharge Depth (%)      |  | 80                                         |
| Cycle Life                         |  | > 5000 cycles (25°C, 0.5C ) 80% DOD        |
| Function                           |  | Bluetooth,heating                          |
| Display                            |  | ---                                        |
| Charge&Discharge Temperature (°C ) |  | Charge: 0°C~+50°C / Discharge: -20°C~+60°C |
| Optimal Storage Temperature (°C )  |  | 5°C ~ +35°C                                |
| Recommend Storage Humidity         |  | 20%~80%                                    |
| Terminal                           |  | M8                                         |
| Dimensions (L*W*H) (mm )           |  | 340*185*219                                |
| Weight (Kg)                        |  | 12.2±0.5                                   |
| Transportation                     |  | UN38.3, MSDS, IEC62619, CE-RED, ROHS       |
| IP Class                           |  | IP65                                       |

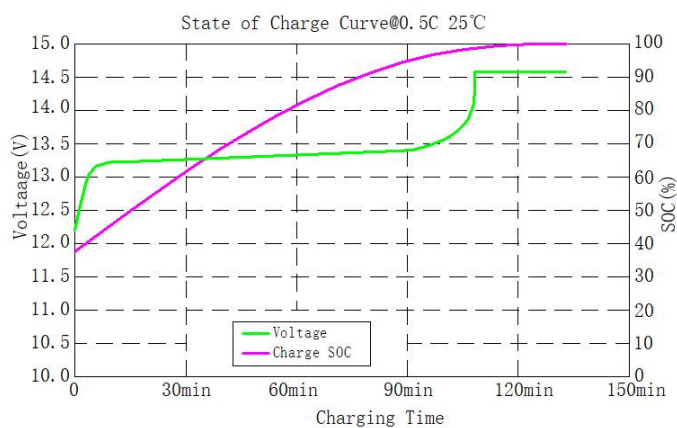
## Different Rate Discharge Curve@25°C



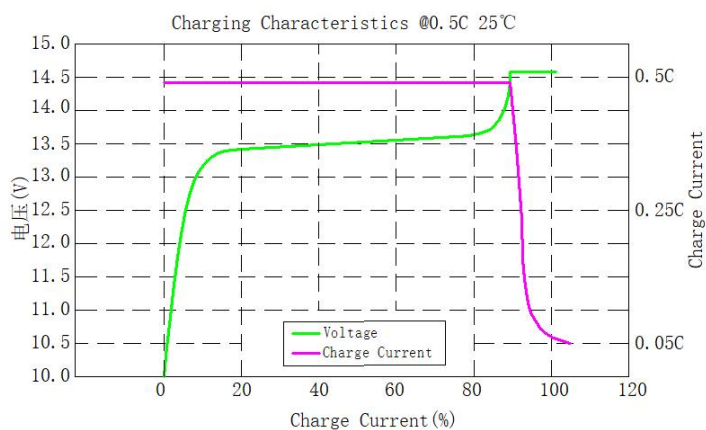
## Different Temperature Discharge Curve@0.5C



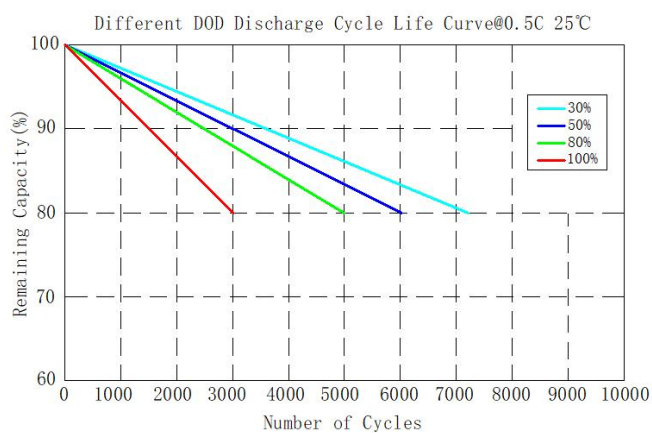
## State of Charge Curve@0.5C 25°C



## Charging Characteristics@0.5C 25°C



## Different DOD Discharge Cycle Life Curve@0.5C 25°C



## Different Temperature Self Discharge Curve

