

51.2V 100Ah LITHIUM BATTERY

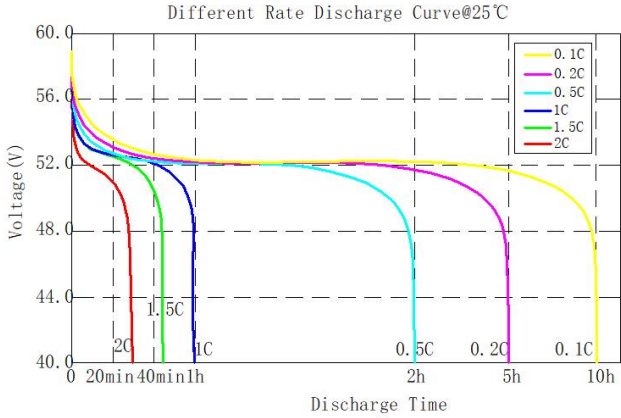
► Features

- 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
- LED less power consumption, high brightness, long visual distance.
- Cell balance function
- Wall-mounted style
- Certificate: UN38.3, MSDS, IEC62619
- Max 8 battery packs can be connected in parallel

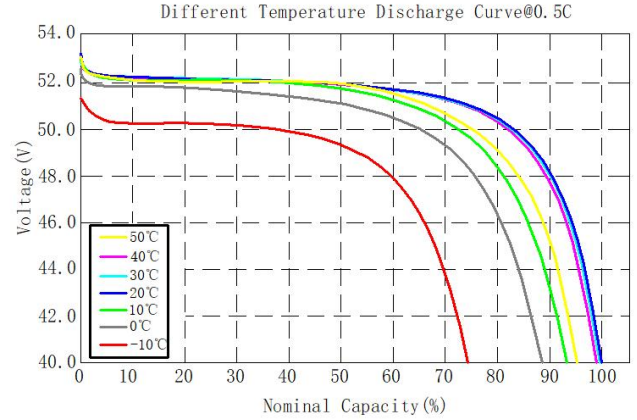
► Electrical Characteristics

| Model | LFP5.12KWH51.2V-P65H1 |
|-----------------------------------|--|
| Battery Type | LiFePO4 |
| Nominal Voltage (V) | 51.2 |
| Nominal Capacity (AH) | 100 |
| Energy (WH) | 5120 |
| Pack Mode | 16S1P |
| Continuous Discharge Current (A) | 50 |
| Charge Cut-off Voltage (V) | 57.6 |
| Discharge Cut-off Voltage (V) | 41.6 |
| Max.Charge Current (A) | 50 |
| Max.Discharge Current (A) | 100 |
| Peak Discharge Current (A) | 120@10S |
| Recommend Discharge Current (A) | 50 |
| Recommend Discharge Depth (%) | 80 |
| Cycle Life | > 5000 cycles (25°C, 0.5C) 80% DOD |
| Communication | RS485/RS232/CAN |
| Display | LED |
| Charge&Discharge Temperature (°C) | Charge: 0°C~+55°C / Discharge: -20°C~+60°C |
| Optimal Storage Temperature (°C) | 5°C ~ +35°C |
| Recommend Storage Humidity | 20%~80% |
| Terminal | Quick-plug |
| Dimensions (W*H*D) (mm) | 510*180*560 |
| Weight (Kg) | 49.8±0.5 |
| Certificate | UN38.3, MSDS, IEC62619 |
| IP Class | IP65 |

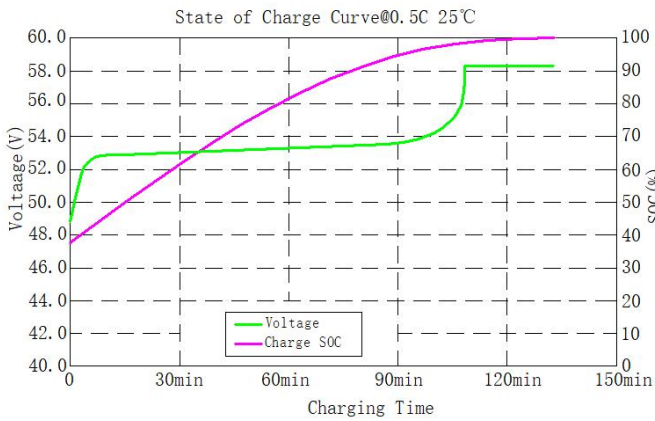
Different Rate Discharge Curve@25°C



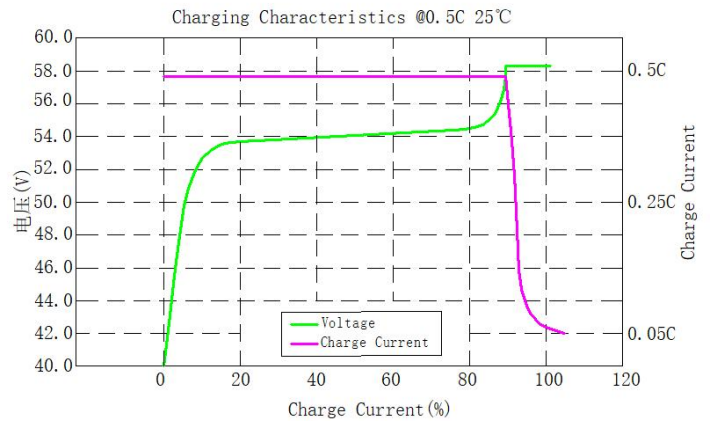
Different Temperature Discharge Curve@0.5C



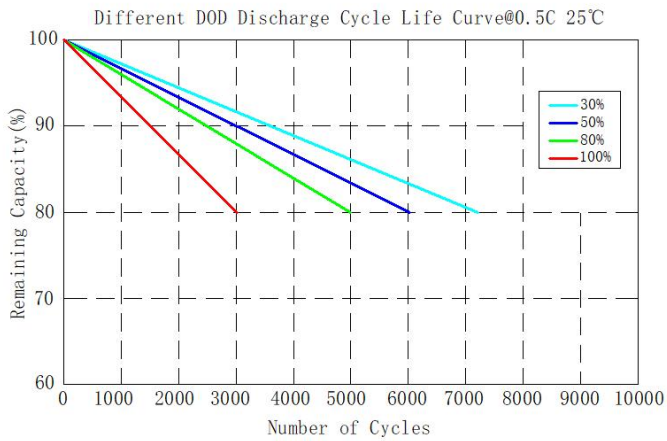
State of Charge Curve@0.5C 25°C



Charging Characteristics@0.5C 25°C



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



Different Temperature Self Discharge Curve

