

LIP1280090 12.8V9.0Ah

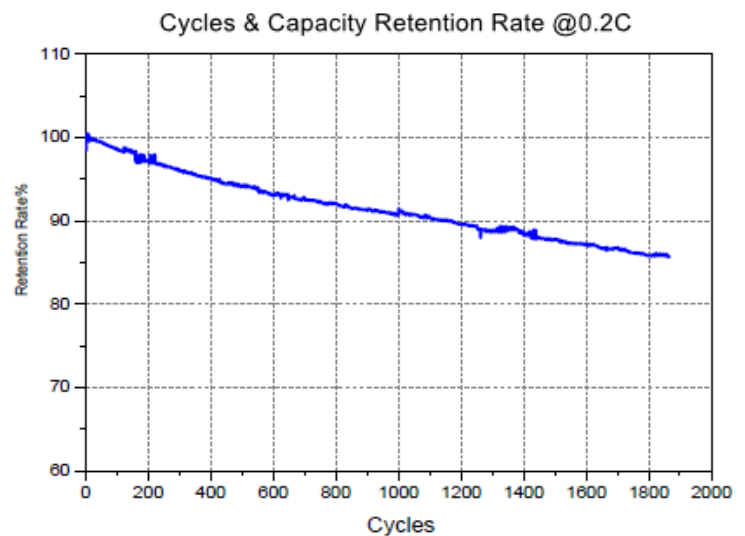
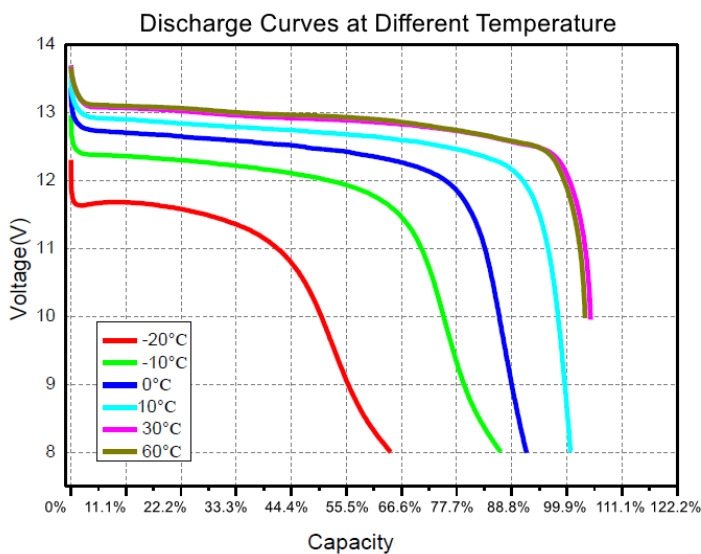
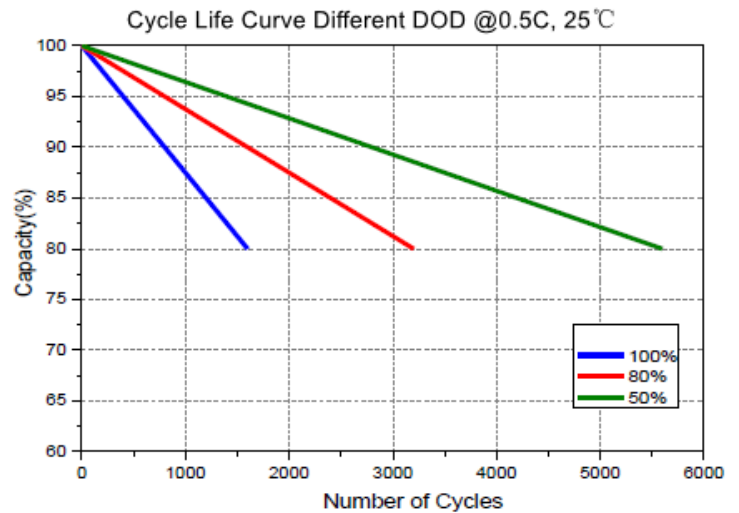
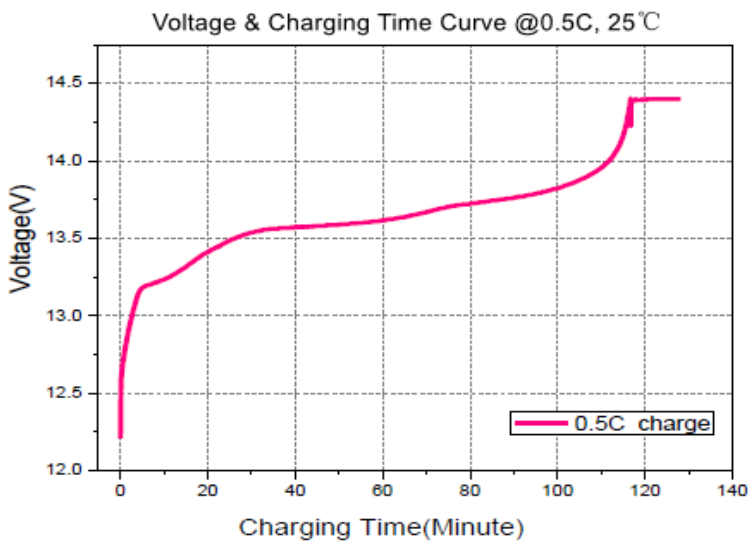
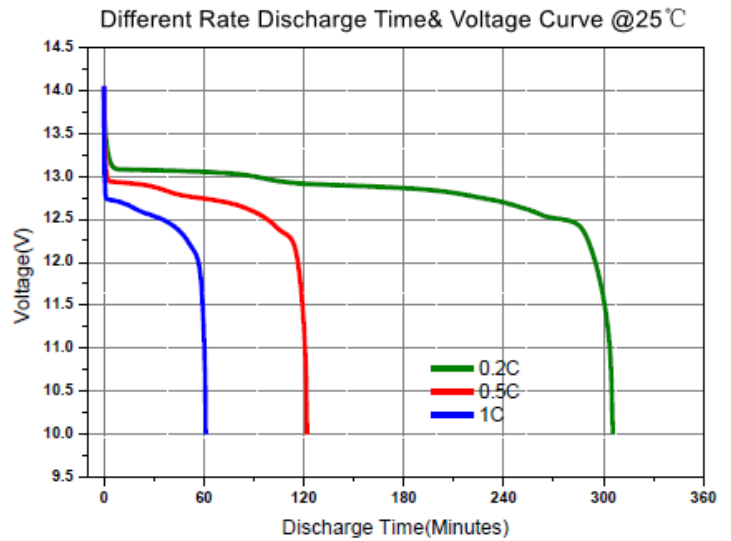
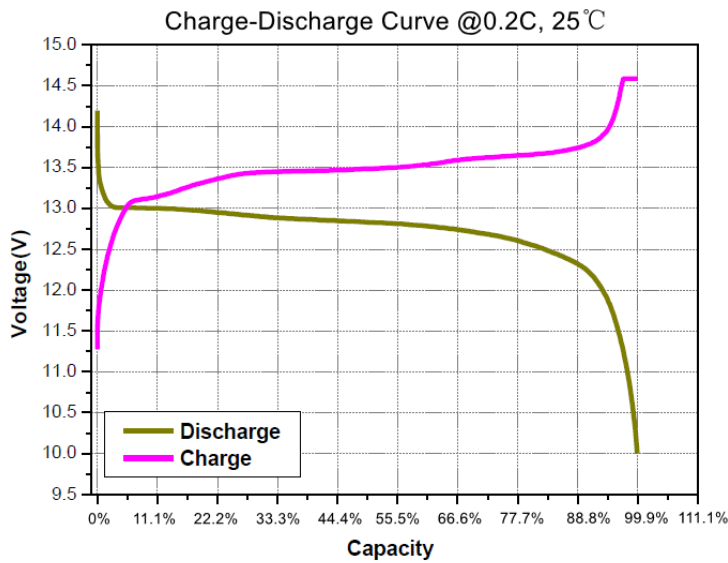
Features of LiFePO4 Battery

- ◆ **Long cycle time:** Provide 10 times longer cycle life than lead acid battery. Minimize replacement cost and reduce total cost of ownership.
- ◆ **Higher power:** Deliver twice power with higher discharge rate compared with lead acid battery. It also can sustain higher charge current and reduce the charge time.
- ◆ **Lighter weight:** It's only 50% of the lead-acid batter weight. Easy plug-and-play replacement for lead acid battery.
- ◆ **Wider temperature range:** -20°C-60°C.
- ◆ **Super safety:** Lithium Iron phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharged or short circuit situation.
- ◆ **Environment friendly:** Lithium battery materials do not have any poisonous and harmful substances whether in production or in use. Now it has been widely accepted by more and more countries.

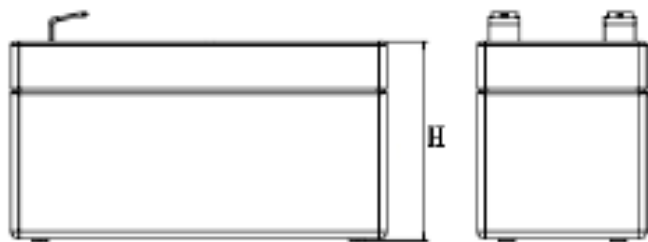
Specification

| | | |
|-----------------------------------|-----------------------------|---|
| Electrical Characteristics | Normal Voltage | 12.8V |
| | Rated Capacity | 9±0.5Ah(0.2C) (18650-3.2V-4S5P) |
| | Energy | About 115.2Wh |
| | Internal Resistance | ≤90mΩ |
| | Cycle Life | ≥1,600@0.2C (100%DOD) ≥3,200@0.2C (80%DOD) ≥5,600@0.2C (50%DOD) |
| | Passive Protection Function | Over charge protection, Over discharge protection |
| Standard Charge | Charge Voltage | 14.4±0.15V |
| | Charge Mode | 0.2C to 14.4V, then 14.4V charge current ends at 0.02C (CC/CV) |
| | Charge Current | 1.8A |
| | Max. Charge Current | 4.5A |
| Standard Discharge | Continuous Current | 4.5A |
| | Max Continuous Current | ≤9A |
| | Max. Pulse Current | 9-27A(≤20ms) |
| | Discharge Cut-off Voltage | 10.0V |
| Environmental | Charge Temperature | 0°C to 45°C |
| | Discharge Temperature | -20°C to 60°C |
| | Storage Temperature | 0°C to 40°C |
| Mechanical | Material of Case | Plastic |
| | L (mm) ×W (mm) × H (mm) | (151±1)×(65±1)×(93±2) |
| | Weight | 1.1±0.1kg |
| | Terminal | T1/T2 |

Electrical performance



Physical Dimension



Unit: mm
L: 151±1
W: 65±1
H: 93±2



Please consult with Akku Tronics for further information.

Akku Tronics New Energy Technology Co., Ltd

The right Lithium Battery Solution