

LIP1280420 12.8V42Ah

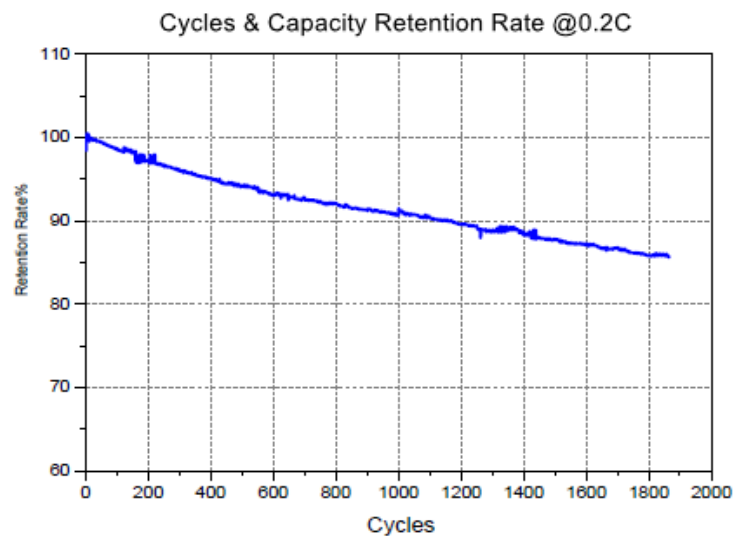
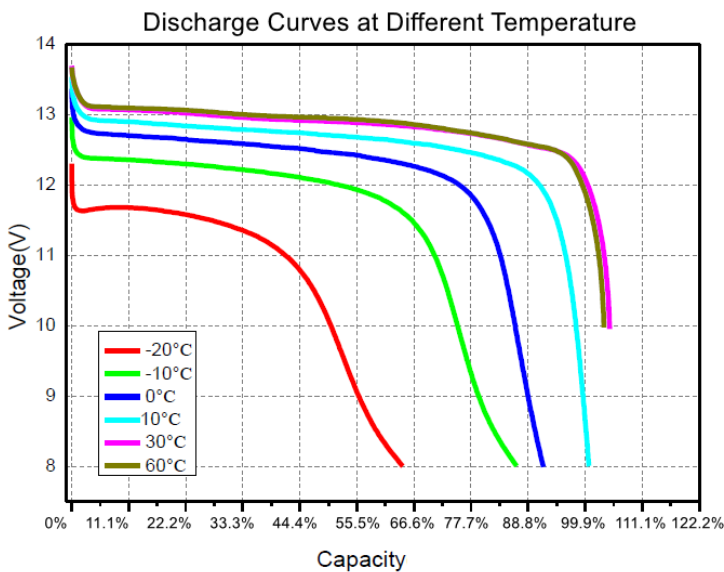
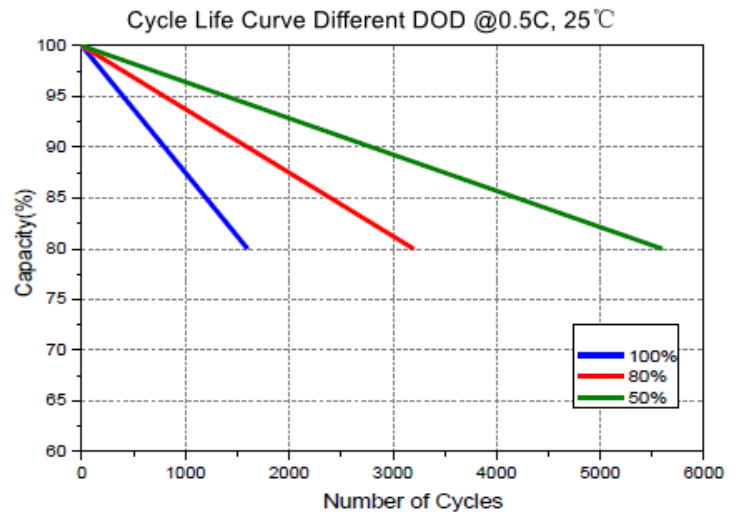
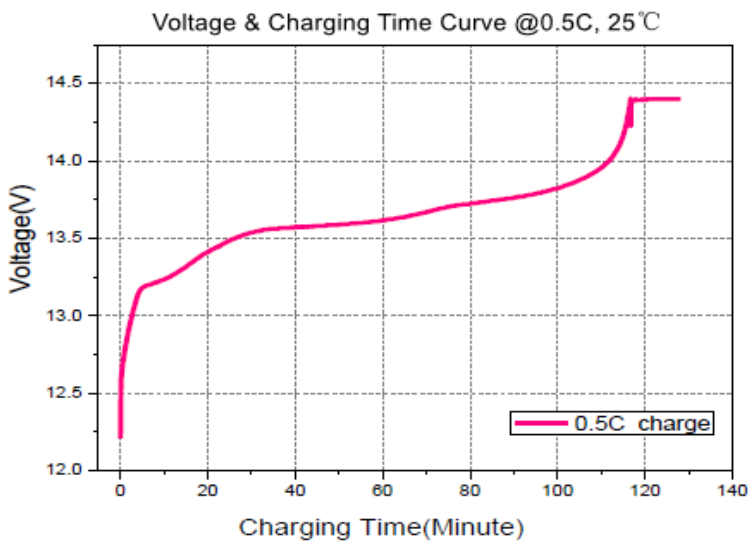
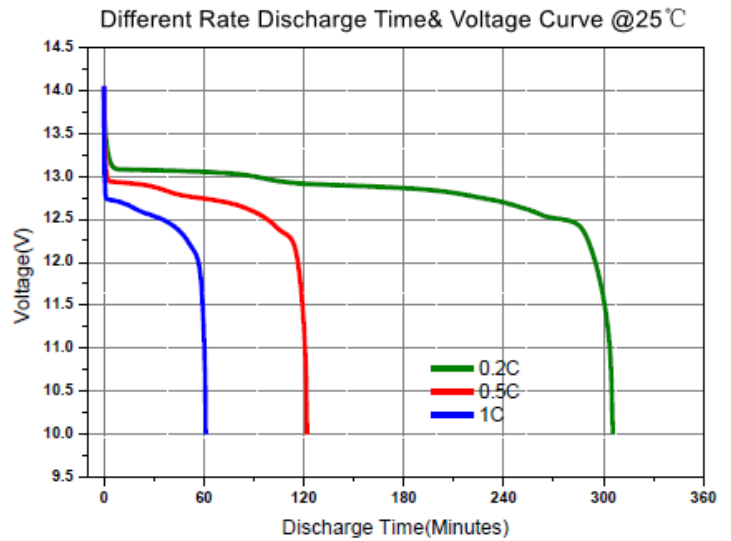
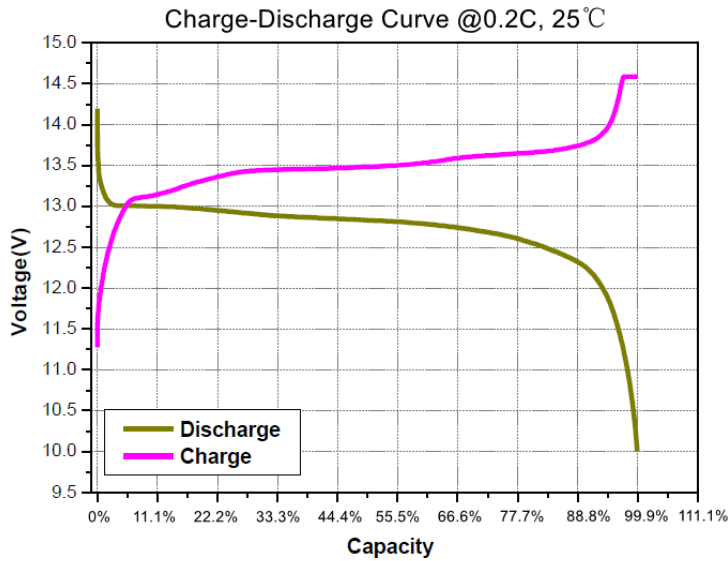
Features of LiFePO4 Battery

- ◆ **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.

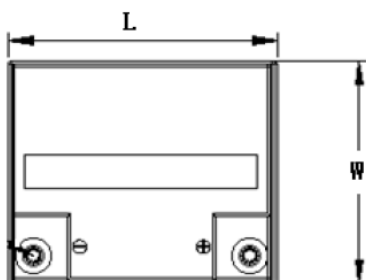
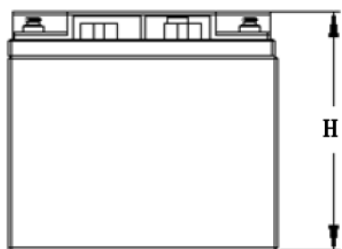
Specification

Electrical Characteristics	Normal Voltage	12.8V
	Rated Capacity	42±2Ah(0.2C)
	Energy	537.6Wh
	Internal Resistance	≤40mΩ
	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	8.4A
	Max. Charge Current	21A
Standard Discharge	Continuous Current	21A
	Max Continuous Current	≤42A
	Max. Pulse Current	42-126A(≤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)	(195±2)×(165±2)×(175±2)
	Weight	4.5±0.5kg
	Terminal	M6

Electrical performance



Physical Dimension



Unit: mm

L: 195±2

W: 165±2

H: 175±2



Please consult with Akku Tronics for further information.

Akku Tronics New Energy Technology Co., Ltd

The right Lithium Battery Solution