

## Features Of LiFePO<sub>4</sub> Battery

**Longer Cycle Life:** Offers up to 10 times longer cycle life and fivetimes longer float/calendar life than lead acid battery, helping ti minimize replacement cost and reduce total cost of ownership.

**Lighter Weight:** About 40% of the weight of a comparable lead acidbattery. A'drop in' replacement for lead acid batteries.

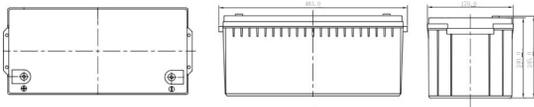
**Higher Power:** Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.

**Wider Temperature Range:** -20-60 C

**Superior Safety:** Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.



## Physical Dimension-mm



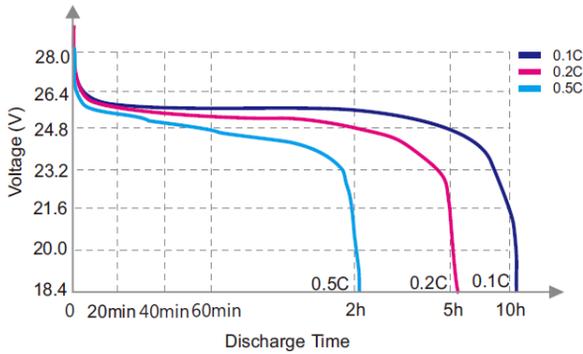
## Application

- Solar/Wind energy Storage
- Golf cart
- Back-up Power for UPS/EPS
- Tools

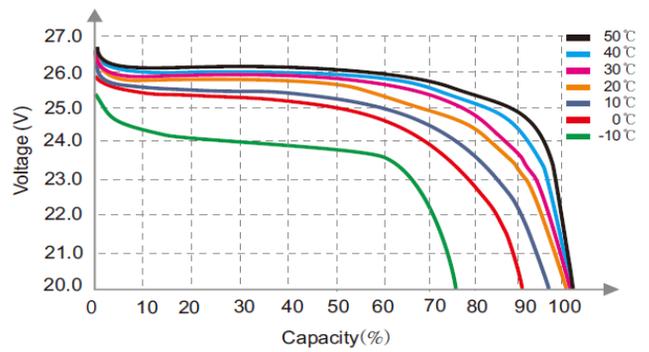
## Specification

Electrical Characteristics	Nominal Voltage	25.6V
	Nominal Capacity	100Ah
	Nominal Energy	2560w
	Internal Resistance ( AC )	≤50mΩ
	Cycle Life	2000-6000 cycles
	Months Self Discharge	< 3%
	Efficiency of Charge	≥97%
	Efficiency of Discharge	≥98%
Standard Charge	Charge Voltage	29.2±0.2V
	Charge Current	100A
	Charge Cut-off Voltage	29.2±0.2V
Standard Discharge	Continuous Current	100A
	Max . Pulse Current	280A ( < 1S)
	Discharge Cut-off Voltage	20V
Environmental	Charge Temperature	0°C to 45°C(32F to 113F)@60±25%Relative Humidity
	Discharge Temperature	-20°C to 60°C(-4F to 140F)@60±25%Relative Humidity
	Storage Temperature	0°C to 40°C(32F to 104F)@60±25%Relative Humidity
	IP Class	IP65
Mechanical	Material System	LFP
	Plastic Case	ABS
	Dimensions ( in. /mm. )	525*240*225mm
	Weight ( lbs. /kg. )	20.5kg
	Others( optional )	Bluetooth,RS485,LED

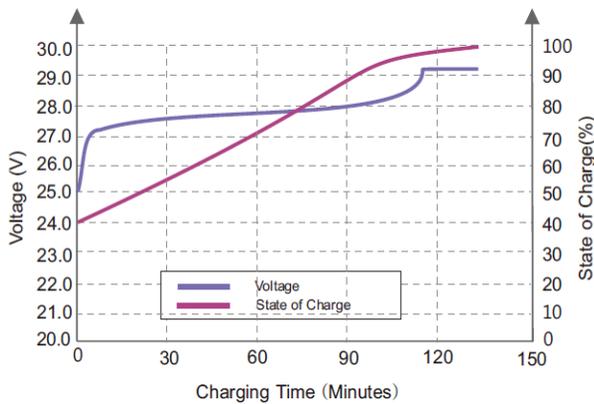
## ▶▶ Different Rate Discharge Curve (25 °C)



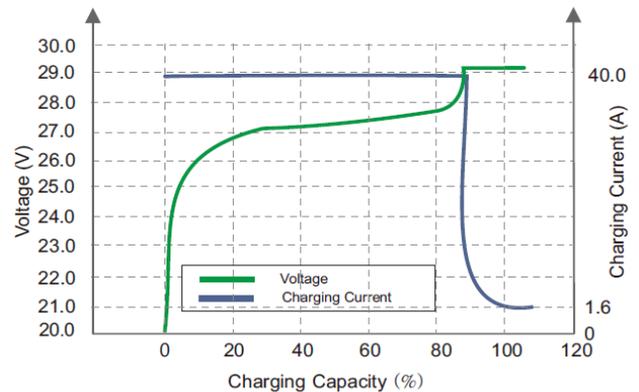
## ▶▶ Different Temperature Discharge Curve (0.5 °C)



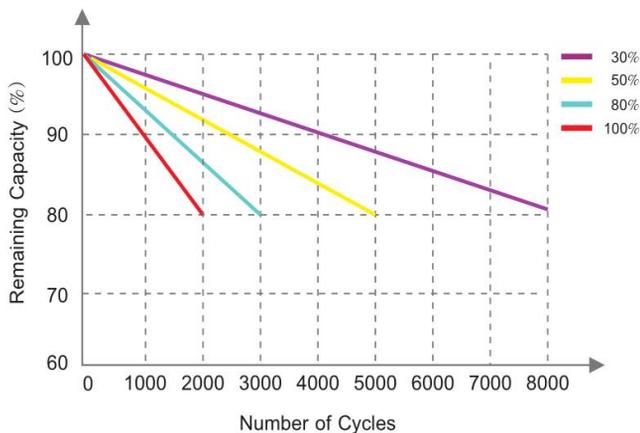
## ▶▶ State of Charge Curve (0.5 °C, 25 °C)



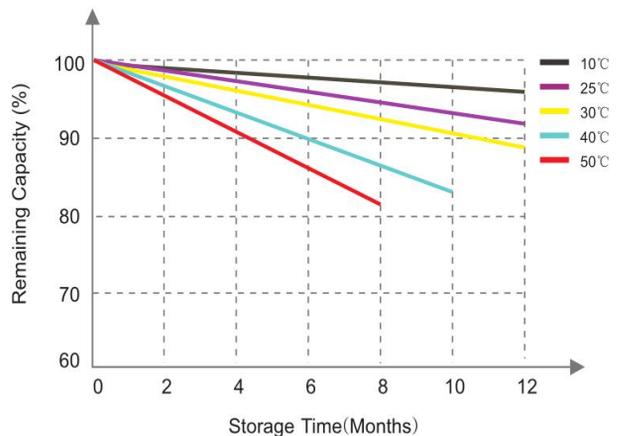
## ▶▶ Charging Characteristics (0.5 °C, 25 °C)



## ▶▶ Different DOD Discharge Cycle Life Curve (0.5 °C)



## ▶▶ Different Temperature Self Discharge Curve



## CAUTIONS »

- ▶ Do NOT Expose The Battery To Water.
- ▶ Only Use LiFePO<sub>4</sub> Charger.
- ▶ Do Not Short Circuit, Crush Or Disassemble.
- ▶ Do Not Expose The Battery To Fire & High Temperature.
- ▶ Store At 50% Capacity, Recharge Every 3 Months. The Storage Area Should Be Clean, Cool, Dry And Ventilated.