

## Features of LiFePO4 Battery

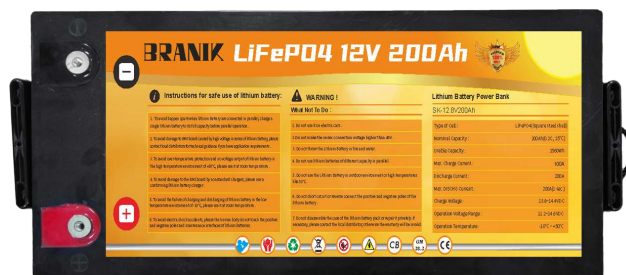
**Longer Cycle Life:** Offers up to 20 times longer cycle life and five times longer float/calendar life than lead acid battery, helping to minimize replacement cost and reduce total cost of ownership.

**Lighter Weight:** About 40% of the weight of a comparable lead acid battery. 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:** -10°C~50°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



Dimension:  
L522\*W238\*H218mm

Color: Black

Terminal Specifications:  
M8 Terminal



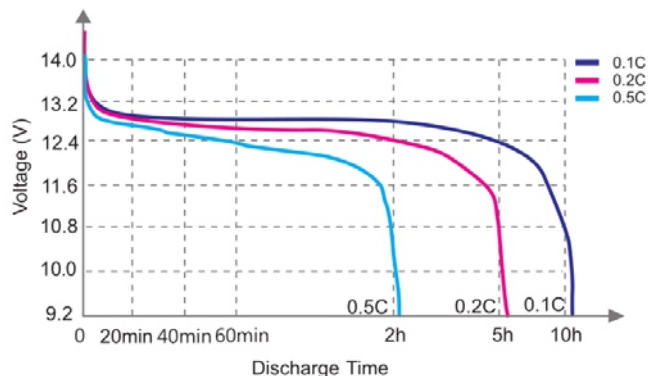
## Typical Applications

Solar/Wind Energy Storage  
Back-up Power for UPS/ EPS  
Telecommunication  
Low Speed Electric Vehicles  
Marine Boats  
DC Power Supply  
Auto Control System  
Power Tools  
Electric Toys

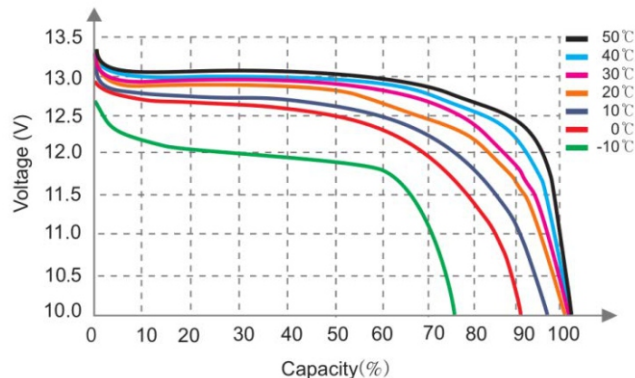
## Specification

Electrical Characteristics	Nominal Voltage	12.8V
	Nominal Capacity	200Ah
	Minimum Capacity	200Ah
	Energy	2560Wh
	Cycle Life	>3000 cycles @0.5C 80%DOD @25°C
	Months Self Discharge	<3%
	Efficiency of Charge	100% @0.5C
	Efficiency of Discharge	96~99% @0.5C
	BMS Functions	Over charge, over discharge, over current, short circuit and temperature protection
Standard Charge	Charge Voltage	14.6±0.2V
	Charge Mode	0.2C to 14.6V, then 14.6V, charge current to 0.02C (CC/CV)
	Charge Current	100A (Can be customized)
	Max. Charge Current	200A
	Charge Cut-off Voltage	14.6V±0.2V
Standard Discharge	Max Continuous Discharge Current	200A (Can be customized)
	Peak Discharge Current	400A 1-3S
	Discharge Cut-off Voltage	10V±0.5V
Environmental	Charge Temperature	0 °C to 45 °C (32F to 113F) @50±25% Relative Humidity
	Discharge Temperature	-10 °C to 50 °C (14F to 122F) @50±25% Relative Humidity
	Storage Temperature	-10 °C to 35 °C (14F to 95F) @50±25% Relative Humidity
	IP Class	IP65
Mechanical	Plastic Case	ABS
	Approx. Dimensions	L522*W238*H218mm
	Approx. Weight	31.0 Kg

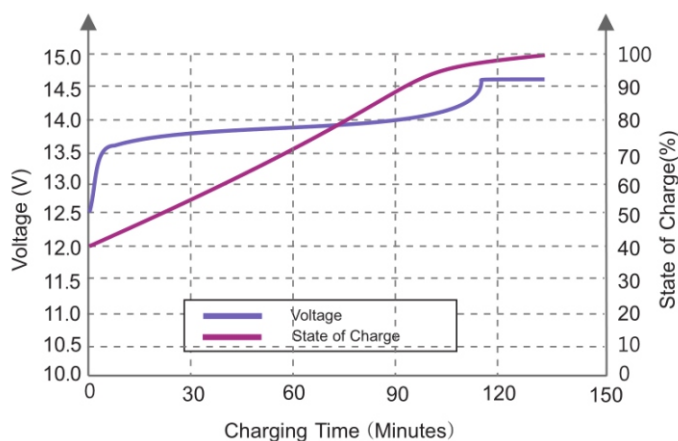
#### Different Rate Discharge Curve (25°C)



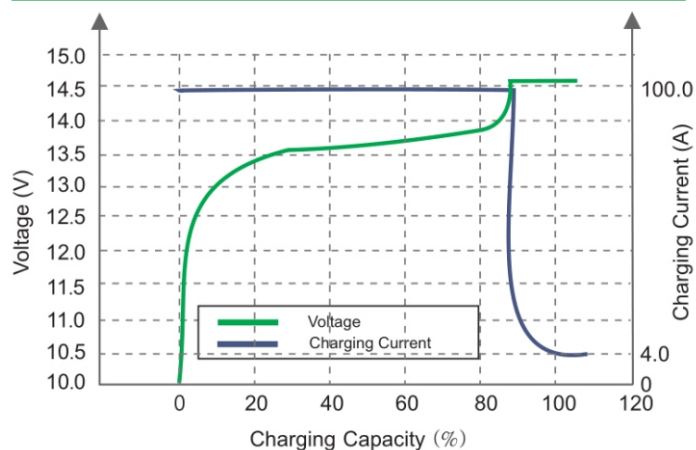
#### Different Temperature Discharge Curve (0.5C)



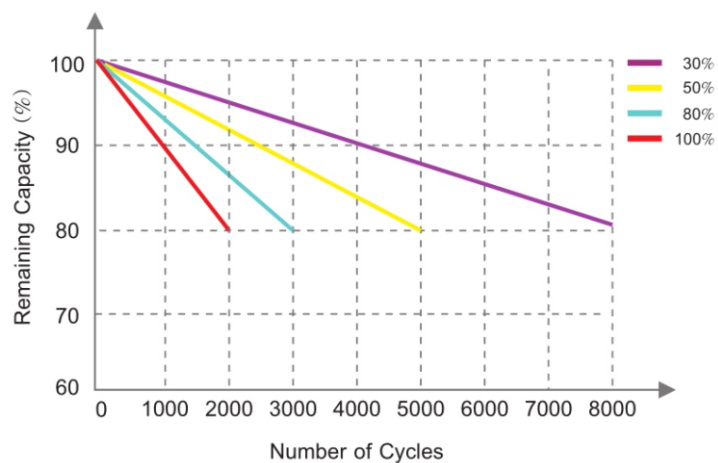
#### State of Charge Curve (0.5C, 25°C)



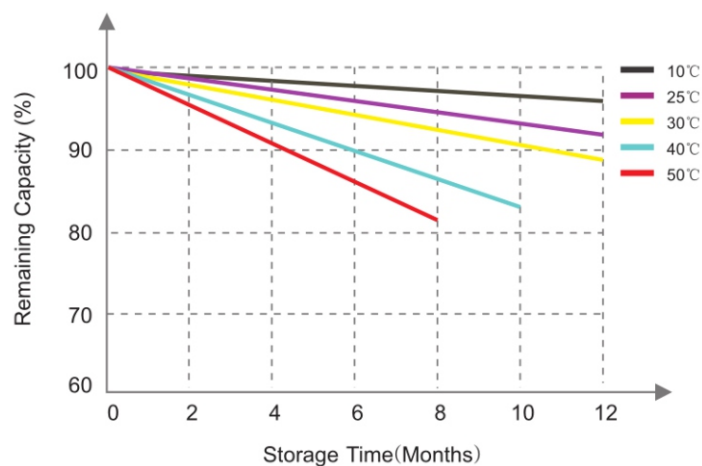
#### Charging Characteristics (0.5C, 25°C)



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



#### Different Temperature Self Discharge Curve



**CASA FENK SACIFI**

Add.: AV.JUAN B.ALBERDI 7138 - CABA

Tel.: 0114687-0000

Email: [ventas@fenk.com.ar](mailto:ventas@fenk.com.ar)

Web: [www.fenk.com.ar](http://www.fenk.com.ar)