

## ALFP-24200(25.6V 200Ah)

### Features

**Longer Cycle Life** : Offer up to 10 times longer cycle life and five times longer float/calendar life than lead acid battery, helping it 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.

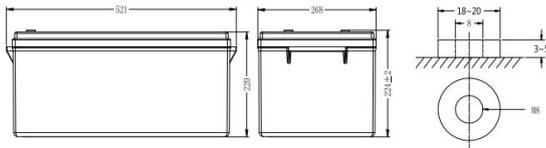
**Higher Power** : Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.

**Wider Temperature Range** : -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.



### Dimension-mm



### Application

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

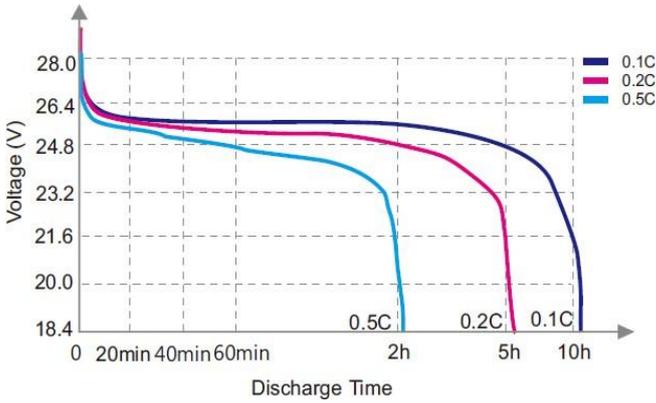
### Specification

<b>Basic Parameters</b>	Rated Voltage	25.6V
	Rated Capacity	200Ah
	Rated Energy	5120wh
	Internal Resistance ( AC )	≤50mΩ
	Cycle Life	≥3500 cycles @80%DOD
	Self Discharge	1%/months
	Efficiency of Charge	≥97%
	Efficiency of Discharge	≥98%
<b>Charge</b>	Charge Voltage	29.2V
	Charge Current (Recomm.)	40A
	Charge Current (Max.)	100A
<b>Discharge</b>	Discharge Cut-off Voltage	20V
	Discharge Current (Max.)	200A
	Pulse Current	220A (3S)
<b>Environmental</b>	Charge Temperature	0°C to 60°C
	Discharge Temperature	-20°C to 60°C
	Humidity	5% to 95%
<b>Physical Characteristics</b>	IP Class	IP30
	Terminal	M8
	Plastic Case	ABS
	Dimensions ( in. /mm. )	521*268*220mm
	Weight ( lbs. /kg. )	42kg
	Others( optional )	Bluetooth,Shell color,IP rating

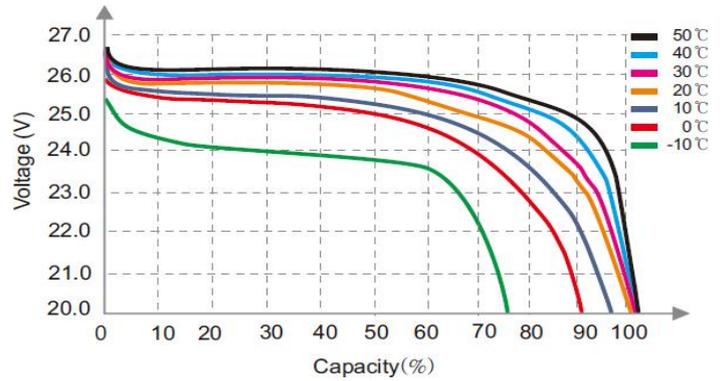
# Lithium Iron (LiFePO<sub>4</sub>) Battery

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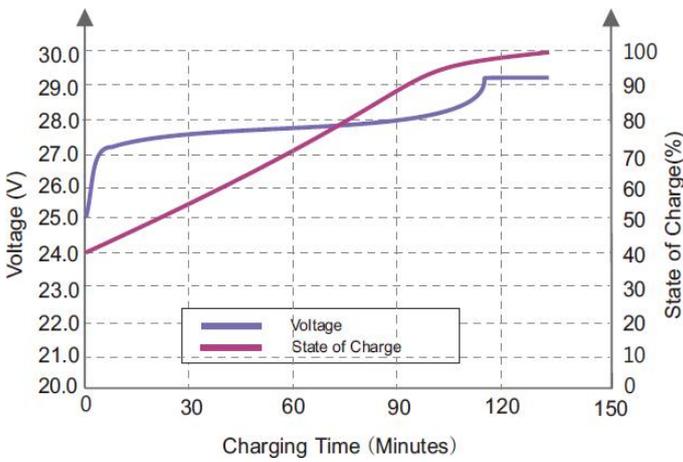
Different Rate Discharge Curve(25°C)



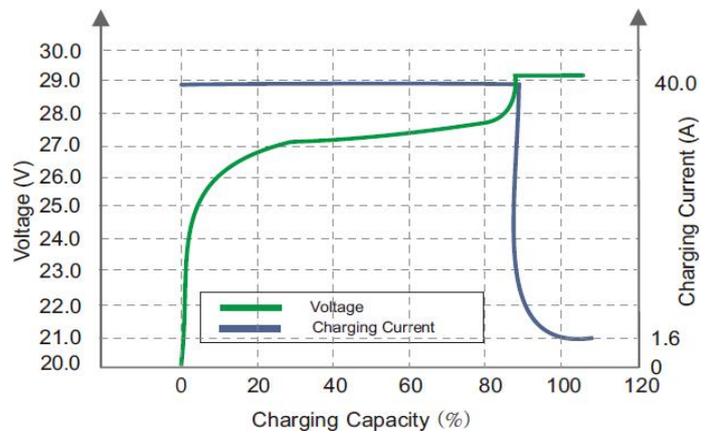
Different Temperature Discharge Curve(0.5C)



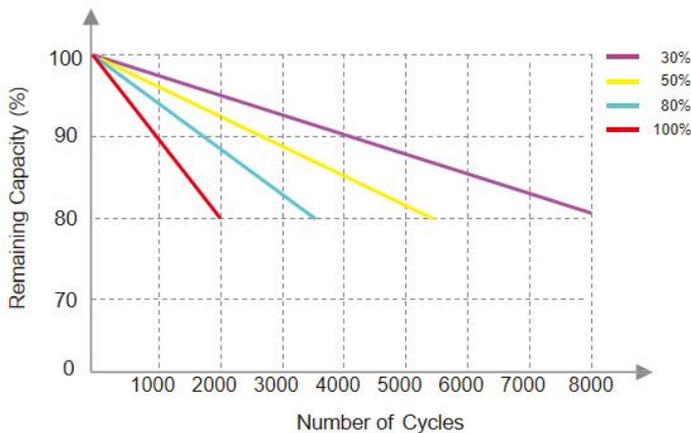
State of Charge Curve(0.2C, 25°C)



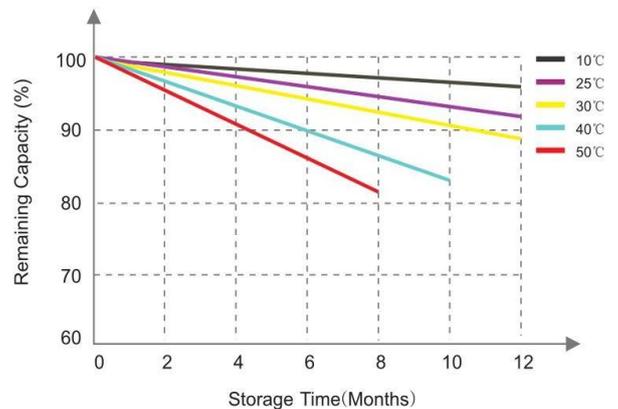
Charging Characteristics(0.2C, 25°C)



Different DOD Discharge Cycle Life Curve



Different Temperature Self Discharge Curve



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