



# INFINITY LITHIUM

315Ah

## PLATINUM + 12.8V

**5 YEAR WARRANTY**  
LiFe PO4

### Features

#### Longer Cycle Life

LiFePO4 batteries cycle life is approximately five times that of SLA batteries

#### High Power & Light Weight Design

LiFePO4 batteries provide high performance with lightweight construction

#### Intelligent Management System

Intelligent BMS to ensure the battery is charged and discharged safely and efficiently

#### Lower Self-discharge Rate

Low self-discharge rate to guarantee LFP batteries can be stored for longer than SLA batteries



### Physical Dimension

345 x 190 x 245mm



### Applications

- Caravan, RV, camping
- UPS (replacement of SLA batteries)
- Marine and golf carts
- Renewable energy systems
- Solar lighting

Electrical Characteristics	Chemistry	LiFePO4
	Nominal Voltage	12.8V
	Nominal Capacity	315Ah (C5,25°C)
	Energy	4032Wh
	Internal Resistance	≤8 mΩ
	Cycle Life	>2000 cycles @1C 100%DOD
	Months Self Discharge	<3%
	Efficiency of Charge	100% @0.5C
Standard Charge	Efficiency of Discharge	96-99% @1C
	Charge Voltage	14.6±0.2V
	Charge Mode	0.2C to 14.6V, then 0.02C (CC/CV)
	Charger Current	150A
	Max. Charge Current	200A
Standard Discharge	Charge Cut-off Voltage	15.6V±0.2V
	Rated Discharge Current	150A
	Max Discharge Current	200A
	Max. Pulse Current	945A(<3s)
	Discharge Cut-off Voltage	10V
	Charge Temperature	0 °C to 45 °C (32Fto 113F) @60±25% Relative Humidity
	Discharge Temperature	-20 °C to 60 °C (-4F to 140F) @60±25% Relative Humidity
Mechanical	Storage Temperature	0 °C to 40 °C (32Fto 104F) @60±25% Relative Humidity
	Water Dust Resistance	IP67
	BMS	200A 4S/4P
	Plastic Case	ABS, V0 flammability rating
	Dimensions (in./mm.)	345*190*245 mm
Weight (lbs./kg.)	24.5kg(53.9lbs)	
Terminal	M8	



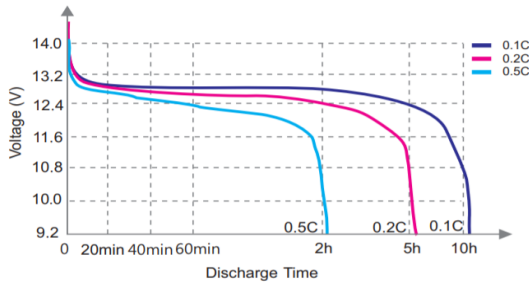
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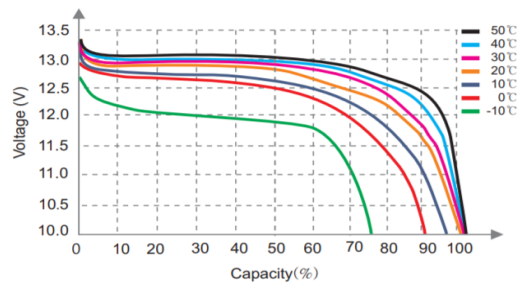
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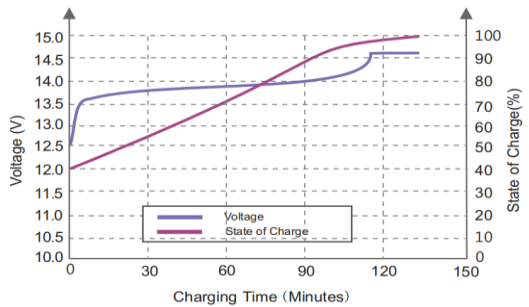
Different Rate Discharge Curve(25°C)



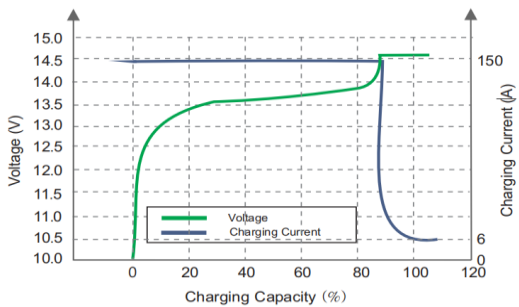
Different Temperature Discharge Curve(0.5C)



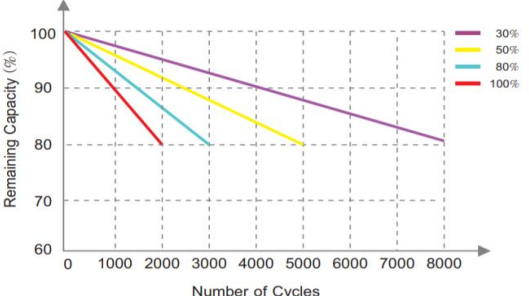
State of Charge Curve(0.5C, 25°C)



Charging Characteristics(0.5C, 25°C)



Different DOD Discharge Cycle Life Curve(0.5C)



Different Temperature Self Discharge Curve

