



INFINITY LITHIUM

150Ah

PLATINUM + 12.8V

5 YEAR WARRANTY
LiFe PO4

Infinity Lithium Bluetooth Battery 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 Bluetooth BMS Management System

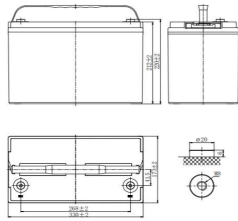
Infinity Lithium App connectivity via Bluetooth to monitor voltage, current, state of charge, cycle life, temperature etc.

Lower Self-discharge Rate

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



Physical Dimensions



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	150Ah (C5,25°C)
	Energy	1920Wh
	Internal Resistance	≤15 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	75A
	Max. Charge Current	150A
Standard Discharge	Charge Cut-off Voltage	15.6V±0.2V
	Rated Discharge Current	75A
	Max Discharge Current	150A
	Max. Pulse Current	450A(<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
	Storage Temperature	0 °C to 40 °C (32Fto 104F) @60±25% Relative Humidity
Mechanical	Water Dust Resistance	IP67
	BMS	150A 4S/4P with BT
	Plastic Case	ABS, V0 flammability rating
	Dimensions (in./mm.)	330 x173 x 212 mm
	Weight (lbs./kg.)	13.66kg(30.05lbs)
	Terminal	M8



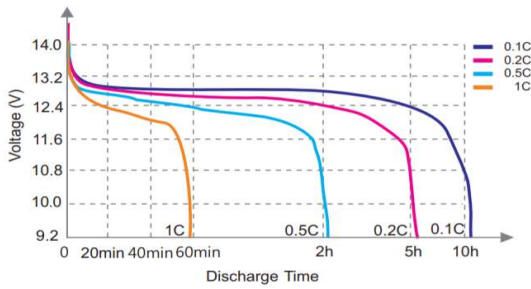
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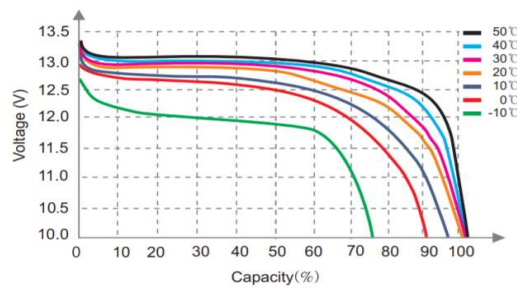
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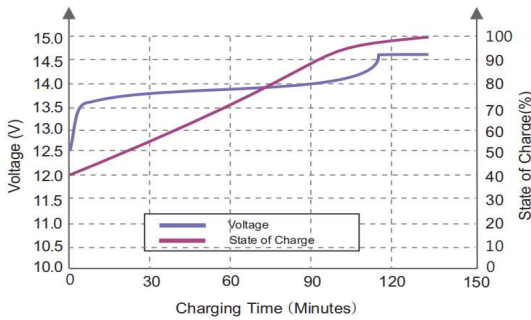
Different Rate Discharge Curve(25°C)



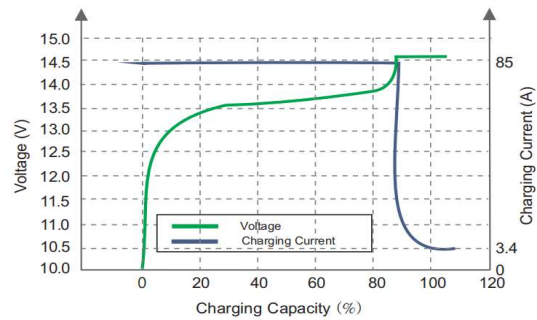
Different Temperature Discharge Curve(0.5C)



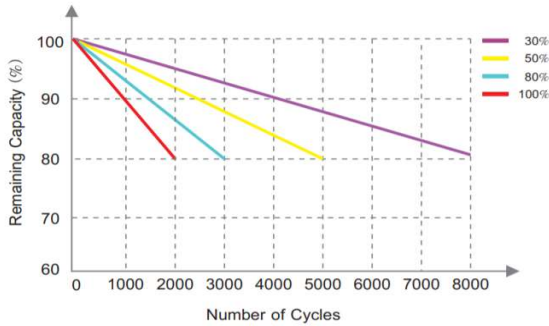
State of Charge Curve(0.5C, 25°C)



Charging Characteristics(0.5C, 25°C)



Different DOD Discharge Cycle Life Curve(1C)



Different Temperature Self Discharge Curve

