RAZORBACK LITHIUM

Lithium Iron Phosphate (LiFePO4) Battery

LFP12.8-460 | 12.8V460AH 5888Wh

Features of LiFePO4 Battery

Longer Cycle Life
LiFePO4 batteries would be is five times than SLA batteries on cycle life

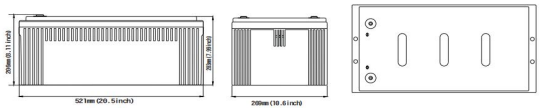
High Power & Light weight
LiFePO4 batteries performance twice power of SLA batteries, while half weight helpful for transport and installation

Intelligent management control
Intelligent BMS system covered by LFP batteries to ensure that batteries work on safety and perfect condition

Lower Self-discharge rate
Lower Self-discharge rate to guarantee LFP batteries be stored more longer than SLA batteries



Physical Dimension



Applications

●Caravan, RV, camping

●UPS (replacement of SLA batteries)

●Marine, golf cart

● Solar, wind system

● PV ,solar light

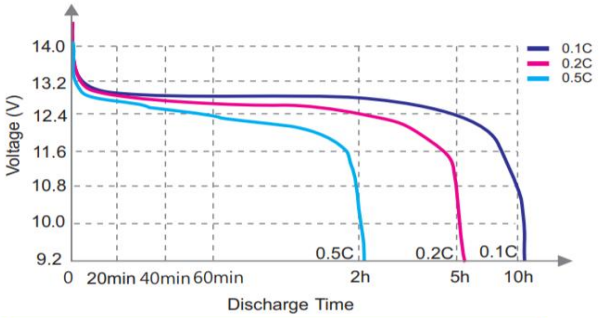
Electrical Characteristics	Chemistry	LiFePO4
	Nominal Voltage	12.8V
	Nominal Capacity	460Ah (C5,25°C)
	Energy	5888Wh
	Internal Resistance	≤8 mΩ
	Cycle Life	>2000 cycles @1C 100%DOD
	Months Self Discharge	<3%
	Efficiency of Charge	100% @0.5C
	Efficiency of Discharge	96-99% @1C
Standard Charge	Charge Voltage	14.6±0.2V
	Charge Mode	0.2C to 14.6V, then 14.6V,charge current to 0.02C (CC/CV)
	Charger Current	230A
	Max. Charge Current	460A
	Charge Cut-off Voltage	15.6V±0.2V
Standard Discharge	Rated Discharge Current	230A
	Max Discharge Current	460A
	Max. Pulse Current	1380A(<3s)
	Rec.Low Voltage Disconnect	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
	Water Dust Resistance	IP67
Mechanical	BMS	300A 4P only
	Plastic Case	ABS
	Dimensions (in./mm.)	521*269*233mm
	Weight (lbs./kg.)	38.50kg(84.70lbs)
	Terminal	M8

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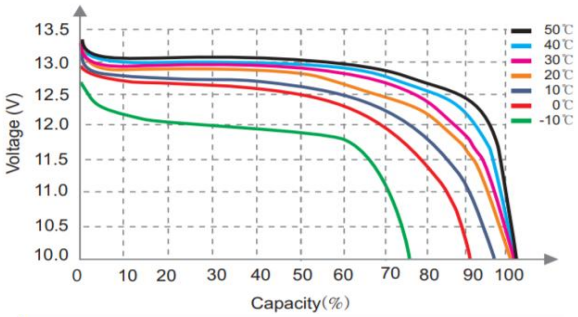
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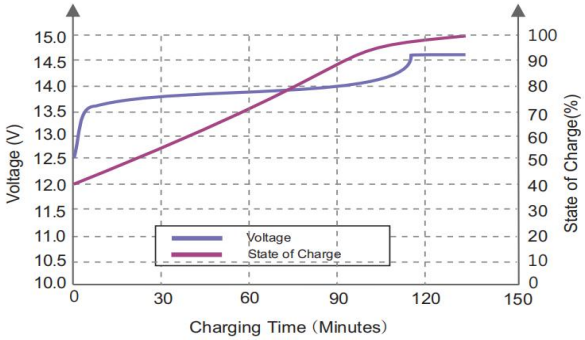
Different Rate Discharge Curve(25℃)



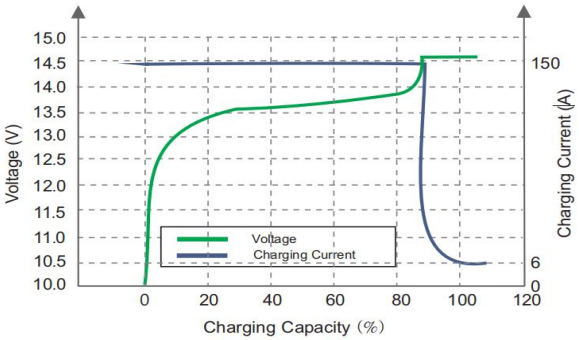
Different Temperature Discharge Curve(0.5C)



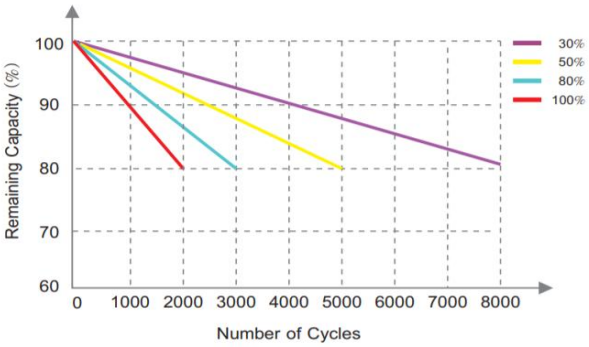
State of Charge Curve(0.5C, 25℃)



Charging Characteristics(0.5C, 25℃)



Different DOD Discharge Cycle Life Curve(0.5C)



Different Temperature Self Discharge Curve

