

POWER LITHIUM BATTERIES

Lithium Iron Phosphate (LiFePO4) Battery

LFP12.8V225AH-SL		12.8V225AH	2880Wh
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	225Ah (C5,25°C)	
	Energy	2880Wh	
	Internal Resistance	≤18 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	112.5A	
	Max. Charge Current	200A	
	Charge Cut-off Voltage	15.6V±0.2V	
Standard Discharge	Rated Discharge Current	112.5A	
	Max Discharge Current	200A	
	Max. Pulse Current	675A(<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	
	Water Dust Resistance	IP56	
Mechanical	BMS	4S/4P	
	Plastic Case	SPCC	
	Dimensions (in./mm.)	770*285*92 mm	
	Weight (lbs./kg.)	28.6kg(62.92lbs)	
	Terminal	Anderson Connectors	

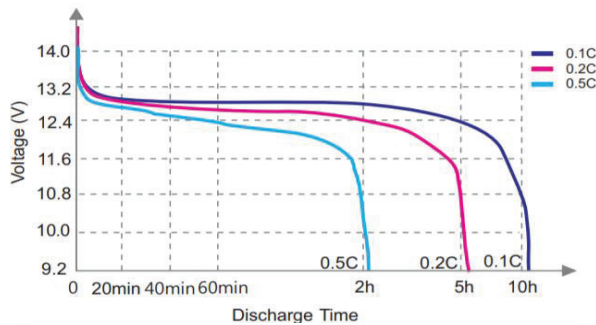
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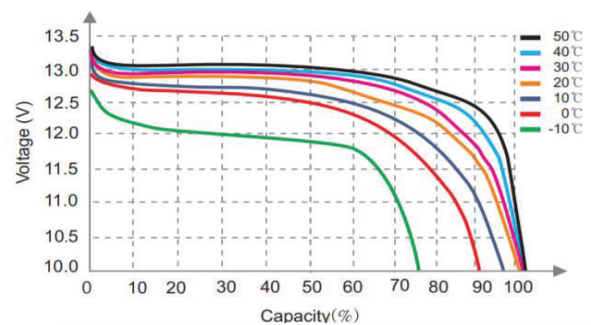
LFP12.8V225AH-SL

12.8V225AH 2880Wh

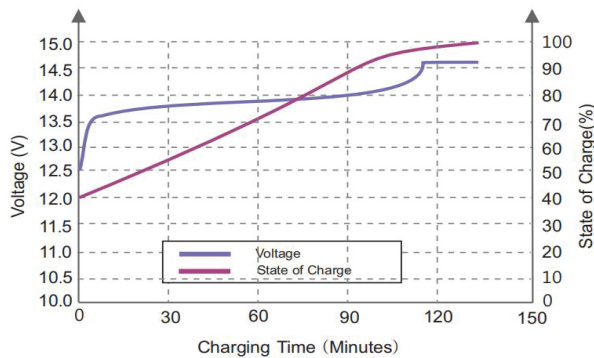
Different Rate Discharge Curve(25°C)



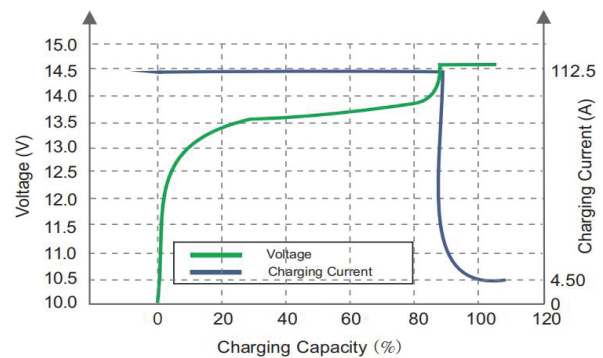
Different Temperature Discharge Curve(0.5C)



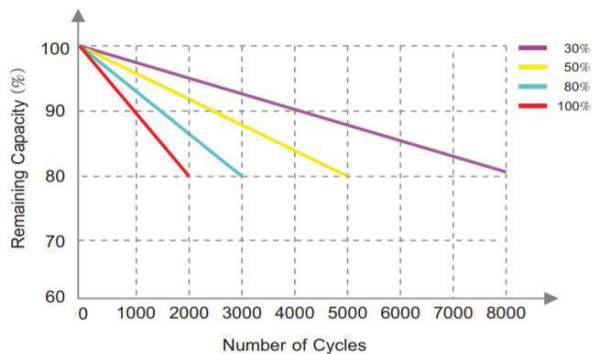
State of Charge Curve(0.5C, 25°C)



Charging Characteristics(0.5C, 25°C)



Different DOD Discharge Cycle Life Curve(0.5C)



Different Temperature Self Discharge Curve

