LFP12.8-6 (12,8V 6Ah)

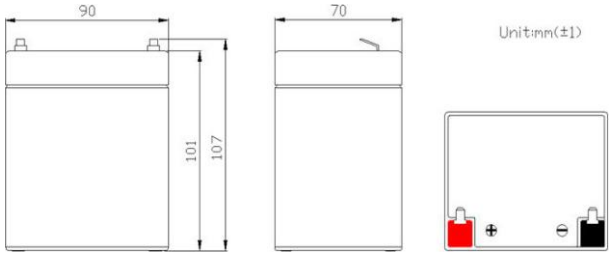
Lithium Iron Phosphate (LiFePO4) Battery

Features

- Using the technologyof lithium ironph osphate cell, superior safety,t housands ofcy cles, 100%DOD, under normalc onditions
- Built-inautomaticprotectionforover-charge,overdischarge, over current and overte mperature
- Maintenance free
- Internal cell balancing
- Lighter weight: About4 0% ~50% of the weight of a comparable lead acidba ttery.
- Can be charged using most standard lead-acid charges (set)
- Widertemperaturerange:-20℃~60℃

Application

- UPS
- Solar&Windpowersystem
- Golf Cart
- Electric vehicle , E-bike, E-rickshaw e.g.
- Lighting



General Specifications

Electrical Characteristics	Nominal Voltage	12.8V
	Nominal Capacity	6Ah@0.2C
	Energy	76.8Wh
	Internal Resistance	70≤mΩ
	Cycle Life	>3000 Cycles @ 0.2C Charge/Discharge at 80%DOD,End of Life 60% Capacity.
	Months Self Discharge	≤3.5% per month at 25
Standard Charge	Charge Voltage	14.6±0.2V
	ChargeM ode（ CC/CV）	At 0℃~45℃ temperature, charged to14 .6V at a constantcu rrent of 0.2C5A,and then,changed continuously with constant voltage of 14.6V until the current was not more than 0.02C5A.
	Charger Current	1.2A
	Max.Charge Current	3A
Standard Discharge	Discharge Current	1.2A
	Max. Continuous Current	12A
	Max.Pulse Current	30A(<3S）
	Disxcharge Cut-off Voltage	10.0V
Environmental	Charge Temperature	0℃to45℃(32℉to113℉)@60±25%RelativeHumidity
	Disxcharge Temperature	-20℃ to60 ℃(-4℉ to 140℉) @60±25% Relative Humidity
	Storage Temperature	0℃to45℃(32℉to113℉)@60±25%RelativeHumidity
	Water Dust Resistance	IP55
Mechanical	Cell & Method	IFR32700 N60,4S1P
	Plastic Case	ABS
	Dimension(L*W*H*TH)	90*70*101*107mm
	Weight	Approx. 0.75Kg
	Terminal	F2

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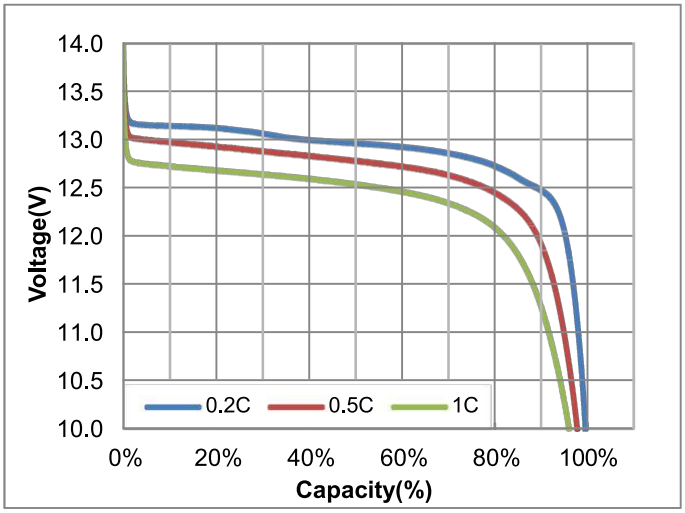
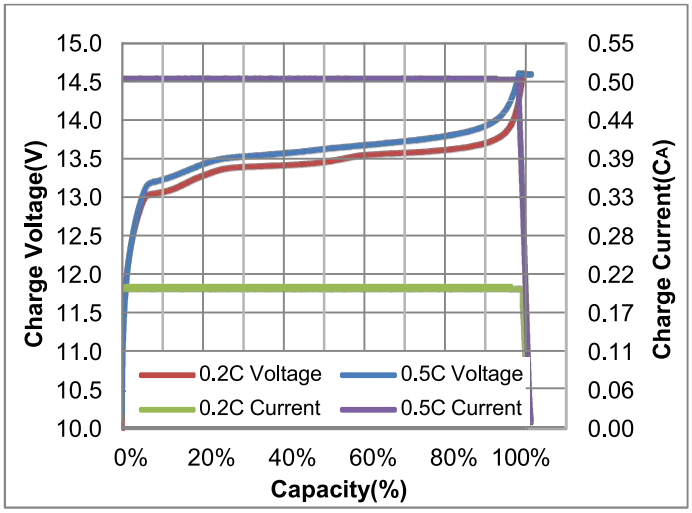
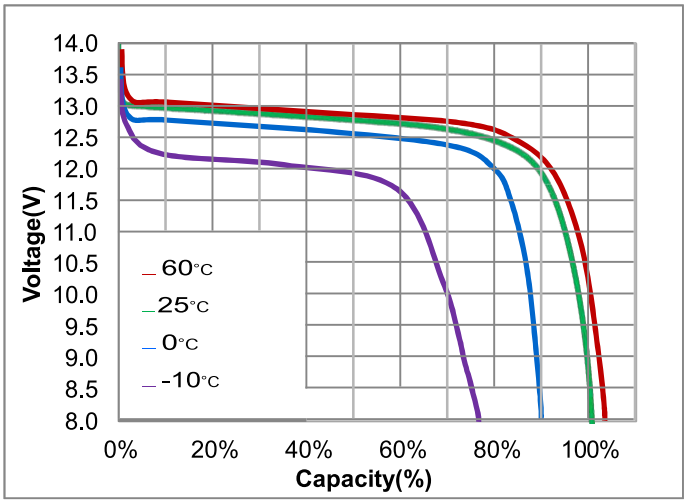
DifferentRateDischargeCurve@25℃



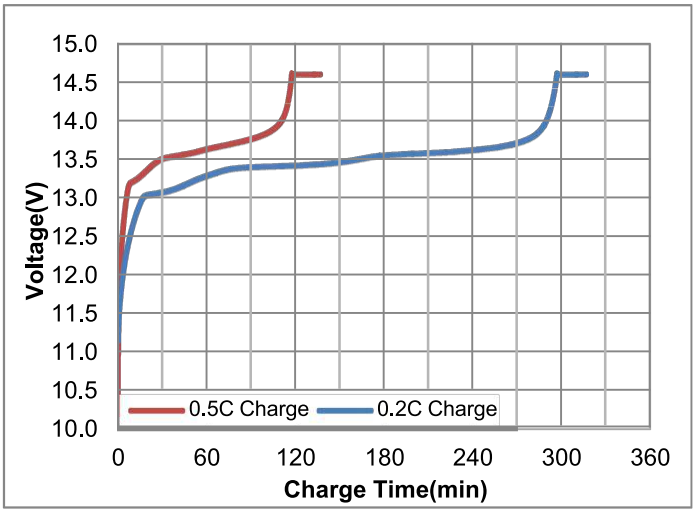
Charge Characteristics@0.2C&0.5C,25℃



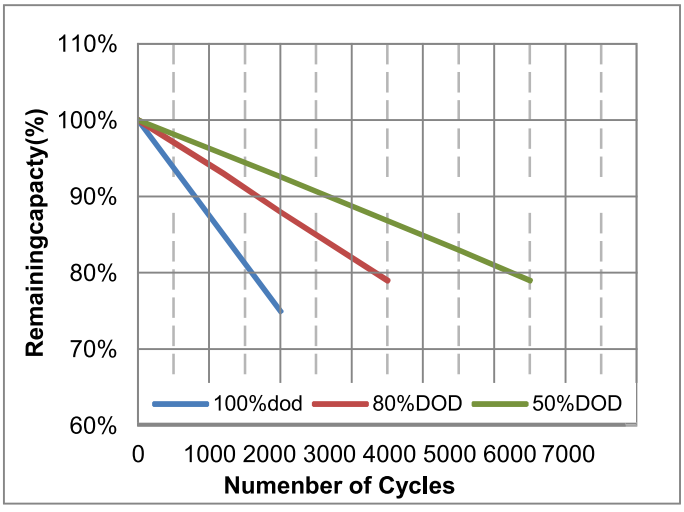
Different Temperature Discharge Curve @0.5C, 25℃



Charge Characteristics @0.2C&0.5C, 25℃



Different DOD Discharge Cycle Life Curve@0.5C, 25



Open circuit voltage VS SOC%

