IFR32650/32700 3.2V6000mAH LiFePO4 Battery Cell

Model: Newbatt32650LFP

LiFePO4 technology with the benefits of long cycle life, light in weight, safety and excellent high and low temperature performance. LiFePO4 Battery is widely used in energy storage, UPS, golf cart and other lead acid battery replacement.

Superior Character

- **Super Long Service Life**
- **Fast Charge and High Rate Discharge Power**
- **Low Total Cost of Ownership (TCO)**
- **High Energy Density by Adopting LFP Cells**
- **High Cycle Round Trip Efficiency (RTE)**
- **Wide Working Temperature Range**

General Specification

Electrical Characteristics	
Nominal Voltage	3.2V
Nominal Capacity@0.2C	6000mAh
Energy	19.2Wh
Internal Resistance	≤10mΩ
Cycle Life	≥2000 Cycles 80%DOD
Application area	Solar,EV,Energy Storage
Mechanical	
Cell	IFR32700
Plastic Case	PVC(Blue or Gray or other colors)
Dimension(D× H)	32*70mm
Weight	Approx. 0.15 Kg
Terminal Connect	Welding To Battery Packs
Standard Charge	
Charge Voltage	3.65±0.03V
Charge Mode(CC/CV)	At 0℃~45℃ temperature, charged to 3.65V at a constant current of 0.2C, and then charged continuously with constant voltage of 3.65 V until the current was not more than 0.02C.
Charge Current	0.2C
Max. Charge Current	1C
Standard Discharge	
Discharge Current	1C
Max. Continuous Current	3C
Max. Pulse Current	5C
Discharge Cut-off Voltage	2.0V
Operating Environment	
Charge Temperature	0℃ to 45℃(32℉ to 113℉) @60±25% Relative Humidity
Discharge Temperature	-20℃ to 60℃(-4℉ to 140℉) @60±25% Relative Humidity
Storage Temperature	0℃ to 45℃(32℉ to 113℉) @60±25% Relative Humidity
Certification	UL,CE,UN38.3,MSDS,IEC62133,BIS,CB

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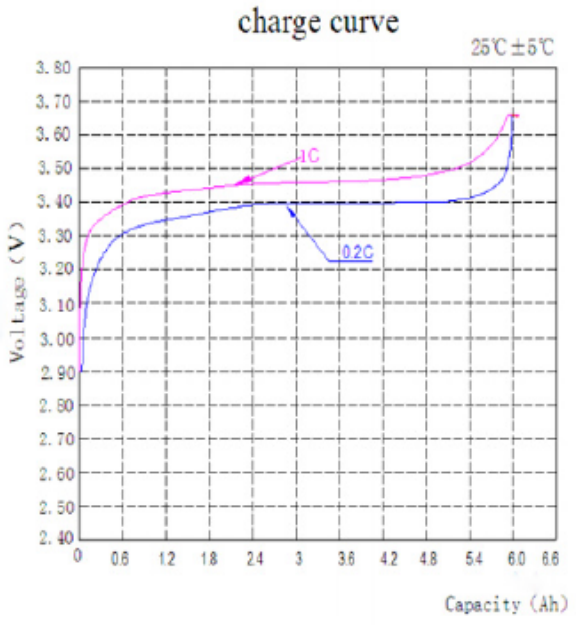
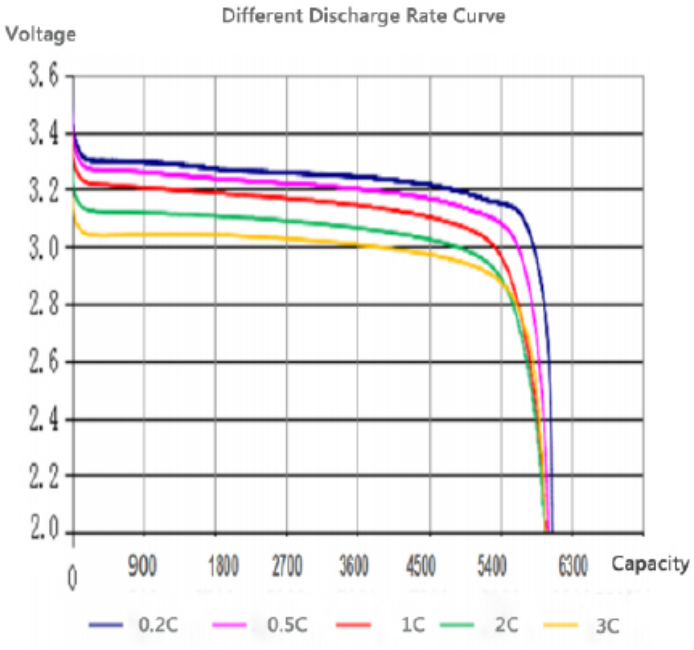
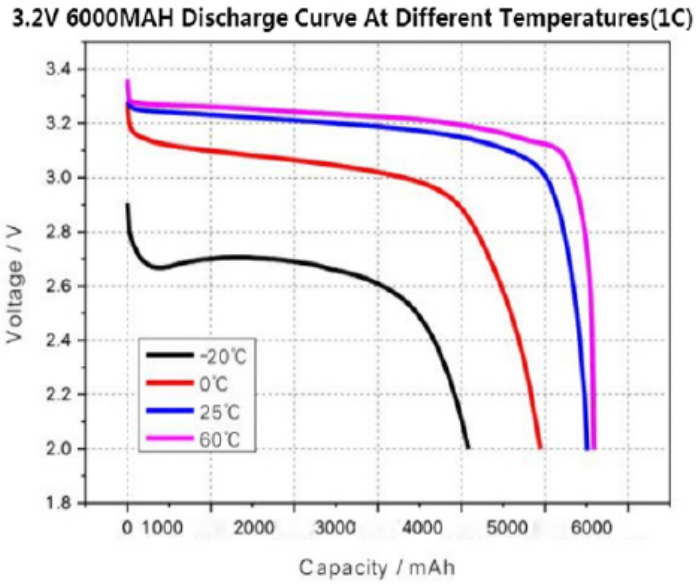
Charge Characteristics @0.2C&1C, 25℃



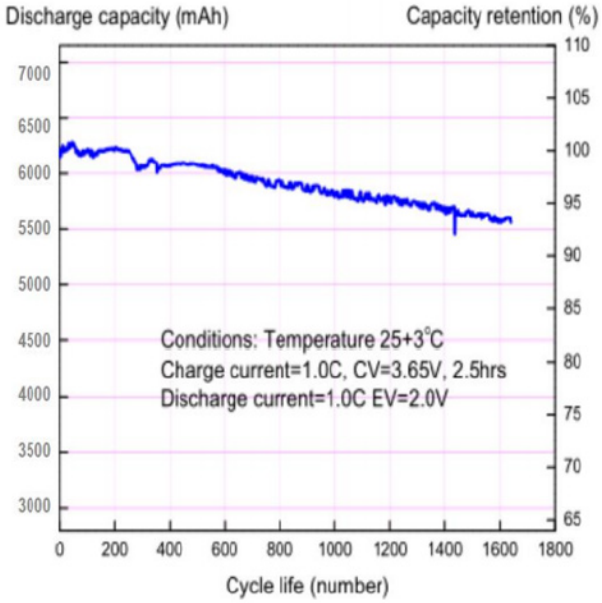
Different Discharge Rate Curve @ 25℃



Different Temperature Discharge Curve @1C



Cycle Life @1C, 25℃



Standard Compliance

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