

LFP 3.2V280AH LIFEPO4 BATTERY

Model: Newbatt3.2-280LFP

1. Long life, 4 times that of ordinary lead-acid batteries. If you want to upgrade from lead-acid batteries to lithium batteries, this is a good choice.
2. It is safe to use. The lithium iron phosphate battery has undergone strict safety tests and will not explode even in a serious collision.
3. Large capacity, high temperature resistance, good performance, small size, light weight, environmentally friendly materials



3.2V 280Ah LiFePO₄ Battery
Free matched Bars and Screws

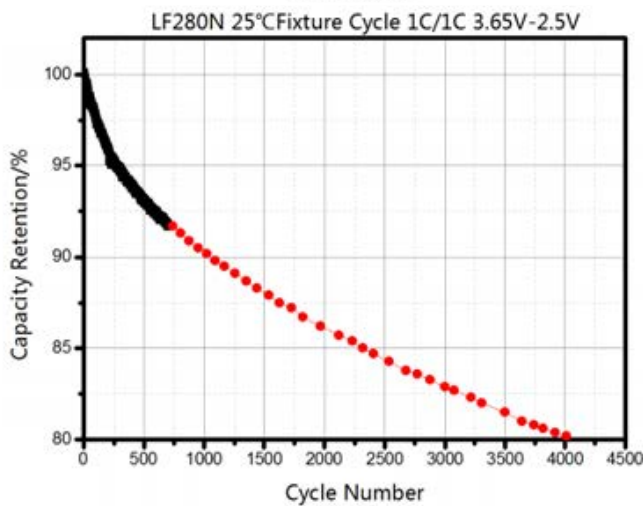
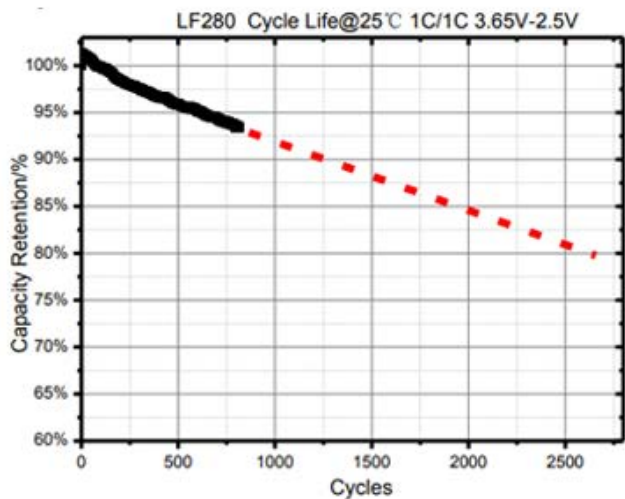
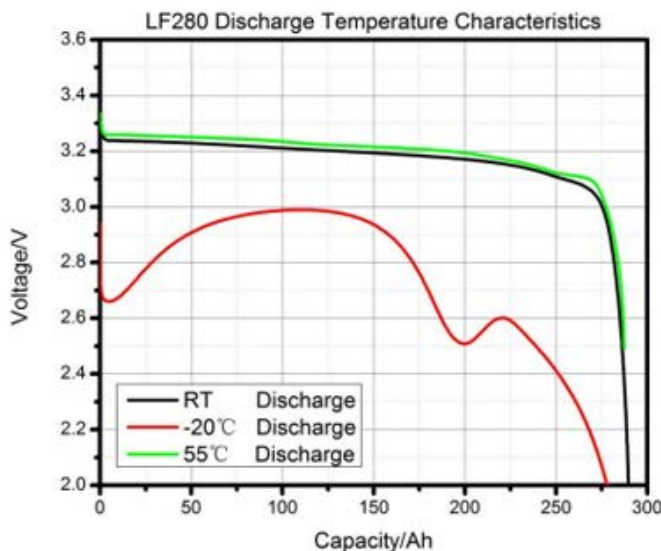
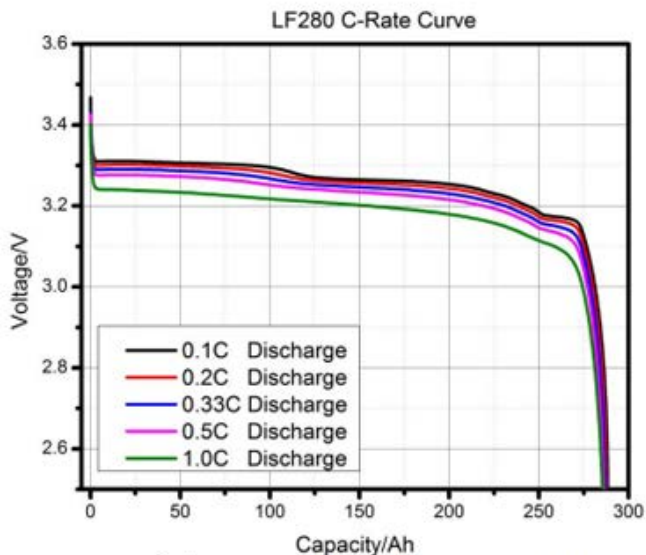
**Superior Character**

- Super Long Service Life
- High Safety Ensured by Smart BMS
- 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
- Maintenance Free

**General Specification**

Electrical Characteristics	
Nominal Voltage	3.2V
Nominal Capacity@0.2C	280Ah
Energy	896Wh
Internal Resistance	≤0.15mΩ
Cycle Life	≥3500 Cycles
Months Self Discharge	≤3% per month at 25°C
Mechanical	
Cell & Method	Prismatic-280ah 3.2V
Plastic Case	Metal
Dimension(L × W × H × TH)	70*173*205mm
Weight	Approx. 5.2Kg
Terminal	M6
Standard Charge	
Charge Voltage	3.65V
Charge Mode(CC/CV)	At 0°C~45°C temperature, charged to 3.65V at a constant current of 0.2C, and then charged continuously with constant voltage of 3.65V until the current was not more than 0.02C.
Charge Current	0.2C
Max. Charge Current	1C
Standard Discharge	
Discharge Current	0.2C-0.5C
Max. Continuous Current	1C
Max. Pulse Current	3C
Discharge Cut-off Voltage	2.5V
Operating Environment	
Charge Temperature	0°C to 45°C(32°F to 113°F) @60±25% Relative Humidity
Discharge Temperature	-20°C to 60°C(-4°F to 140°F) @60±25% Relative Humidity
Storage Temperature	0°C to 45°C(32°F to 113°F) @60±25% Relative Humidity
Water Dust Resistance	IP55

Characteristic Curves



Battery Pictures



Standard Compliance



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