

Product Specification

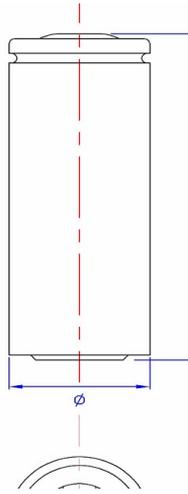
Product Name: LiFePO4 battery

1. Application Scope

This product specification describes product performance indicators of 26650 3800mAh LiFePO4 battery.

2. Model: LFP-26650-3800HT

3. Appearance and Dimension



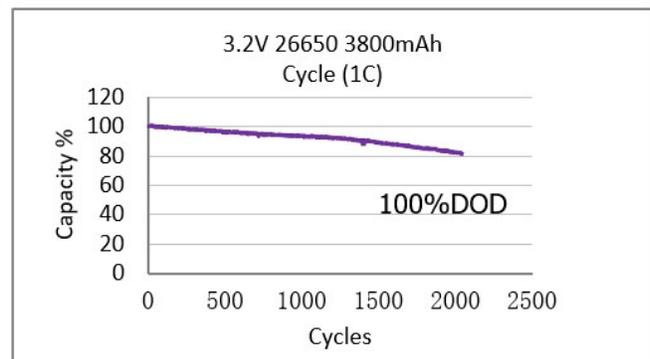
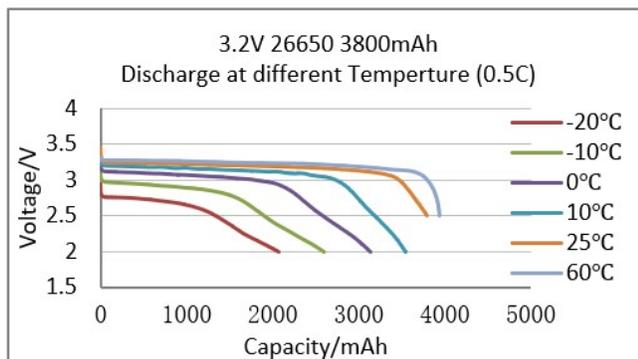
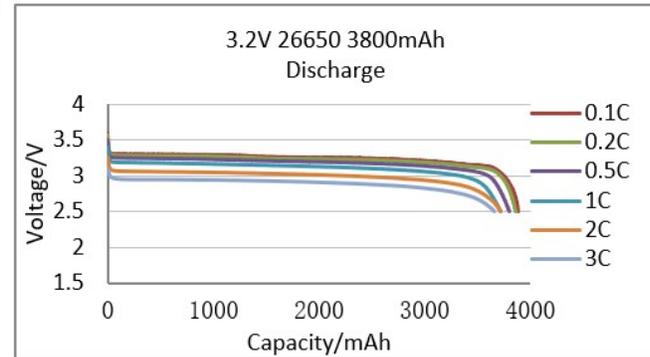
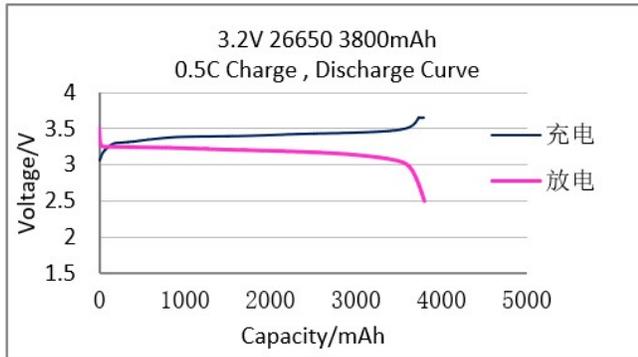
Item	Dimension (mm)
Diameter (Φ)	26.2±0.1
Height (H)	65.6±0.3

4. Major Technical Parameters

No.	Item	Standard	Note
1	Nominal Capacity	3800mAh	0.2C,(current value of 3800mA at 1C)
2	Minimum Capacity	3750mAh	0.2C
3	Standard Voltage	3.2 V	
4	Internal Resistance	≤25mΩ	
5	Charge Conditions	Cut-off Voltage	constant current charge to 3.65V at 0.5C, constant voltage charge to stop until 0.01C
		Cut-off Current	
6	Discharge Voltage Cut-off	2.5V	
7	Cycle Characteristic	2000 times	100% DOD, the residual capacity is no less than 80% of rated capacity at 1C rate.
8	Max. Charge Current	3.8A	
9	Standard Discharge Current	1.9A	
10	Rapid Continuous Discharge Current	3.8A	For Battery Packs

11	Max. Continuous Discharge Current	11.4A	For single cell use only
12	Pulse Discharge Current	20A, 5s	
13	Working Temperature	Charge:0°C~55°C Discharge:-20°C~60°C	
14	Storage Temperature	-20°C ~ 55°C	< 3 months
15	Battery Weight	87.5 g (Approx.)	

5. Characteristics Curves



6. Standard Test Environment

Unless especially specified, all tests stated in this Product Specification are conducted at below condition:

Temperature: 25±2°C

Humidity: (65±20) % RH

7. Storage and Others

7.1 Long Time Storage

If the battery is stored for a long time (more than three months), the battery should be stored in dry and cool place with temperature range 25°C±5°C, humidity ≤85%RH. The battery should be charged and discharged every three months. The batteries' storage voltage should be 3.3~3.4V.

7.2 Others

Any matters that this specification does not cover should be consulted between the customer and BatterySpace.

8. Notice in Using Battery

Please pay attention to followings in case of battery will have leakage, heat etc.

- Do not immerse the battery in water or seawater, and keep the battery in a cool dry surrounding if it stands by.
- Do not use or leave the battery at high temperature as fire or heater. Otherwise, it can overheat or fire or its performance will be degenerate and its service life will be decreased.

- Do not reverse the position and negative terminals.
- Do not connect the battery electrodes to an electrical outlet.
- Do not short circuit. Otherwise it will cause serious damage of the battery.
- Do not transport or store the battery together with metal objects such as hairpins, necklaces, etc.
- Do not strike, trample, throw, fall and shock the battery.
- Do not directly solder the battery and pierce the battery with a nail or other sharp objects.
- Do not use the battery in a location where static electricity and magnetic field is great, otherwise, the safety devices may be damaged, causing hidden trouble of safety.
- Use the battery charger specifically when recharging.
- If the battery leaks and the electrolyte gets into the eyes, do not rub the eyes, instead, rinse the eyes with clean water, and immediately seek medical attention. Otherwise, it may injure eyes.
- If the battery gives off strange odor, generates heat, becomes discolored or deformed, or in any way appears abnormal during use, recharging or storage, immediately stop charging, using, and remove it from the device.
- In case the battery terminals are dirty, clean the terminals with a dry cloth before use. Otherwise poor performance may occur due to the poor connection with the instrument.
- Tape the discarded battery terminals to insulate them.