

Product Specification

Product Name	Lithium-ion Cell
Model	JGPFR26650-3000mAh-3.2V
Made By	Yan Tingliang
Checked By	Xue Juanjuan
Approved By	Wang Yong

Customer Approval	Company Name	
	Signature	
	Date	
	Company stamp	

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1. Application Scope

This product specification describes product performance indicators of Lithium-ion cell produced by Shandong Goldencell Electronics Technology Co., Ltd.

2. Model

JGPFR26650-3000mAh-3.2V

3. Appearance and Dimension



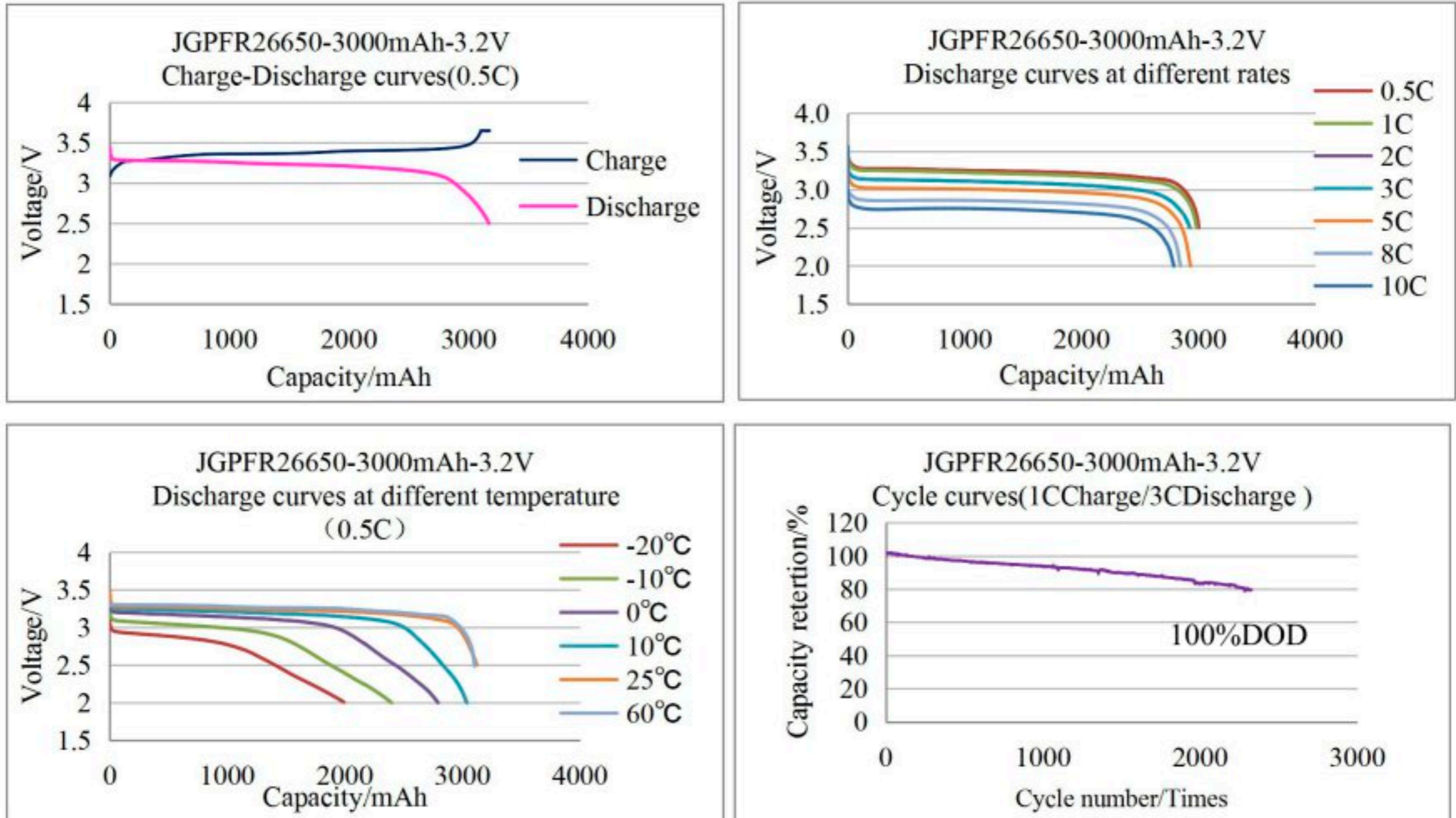
Item	Dimension(mm)
H	65.7±0.3
Φ1	10±0.2
Φ2	26.20±0.1
Φ3	26.20±0.1

4. Major Technical Parameters

NO.	Item	Standard	Note
1	Standard Capacity	3000mAh	0.5C,(current value of 3000mA at 1C)
2	Minimum Capacity	2900mAh	0.5C
3	Standard Voltage	3.2 V	
4	Alternating Internal Resistance	≤15mΩ	
5	Charge Conditions	Cut-off Voltage	constant-current charge to 3.65V at 0.5C, constant voltage charge to stop until 0.01C m A.
		Cut-off Current	
6	Max. Charging Current	9A	
7	Discharge Cut-off Voltage	2.5V	
8	Standard Discharge Current	6A	
9	Fast Discharge Current	15A	This current is the maximum current recommended for the combination of cells, and the specific value should be determined according to the combination structure. The maximum operating current is set at a temperature not exceeding 60 °C.
10	Max. Continuous Discharge Current	30A	Only for single cell
11	Pulse Discharge Current	45A, 5s	
12	Cycle Characteristic	1500 times (100%DOD)	The residual capacity is no less than 80% of rated capacity at 1C/3C rate.
		3000 times (80%DOD)	
		5000 times (50%DOD)	

NO.	Item	Standard	Note
13	Working Temperature	Charge: 0°C ~ 55°C	
		Discharge: -20°C ~ 60°C	
14	Storage Temperature	-20°C ~ 55°C	Short-term storage (< 3 months)
15	Cell Weight	Approx 83.5g	

5. Characteristics Curves



6. Electrical Characteristics

NO.	Item	Test Method	Standard
1	discharge capacity at normal temperature	After full charge, the experiment can be put on hold for 10 minutes; 0.5C discharge to 2.5V allows five repetitions. When the range of three consecutive experiments is less than 3% of the rated capacity, the experiment can be completed ahead of time and the maximum value of the test results can be obtained.	≥2900mAh
2	Discharge performance at different temperatures	After standard charging of normal batteries, it should be stored at least 12 hours in the constant temperature environment of - 20 °C, - 10°C, 0°C, 10 °C and 25 °C, respectively, and 5 hours of 60 °C. Then discharge with 0.5C current to the corresponding termination voltage. When the ambient temperature is more than 15 °C, the termination voltage is 2.5V, if less than 15 °C, which is 2.0V.	discharge capacity /initial capacity *100% -20°C≥40%; 10°C>80; -10°C≥60%; 25°C≥100%; 0°C≥70%; 60°C≥95%.