



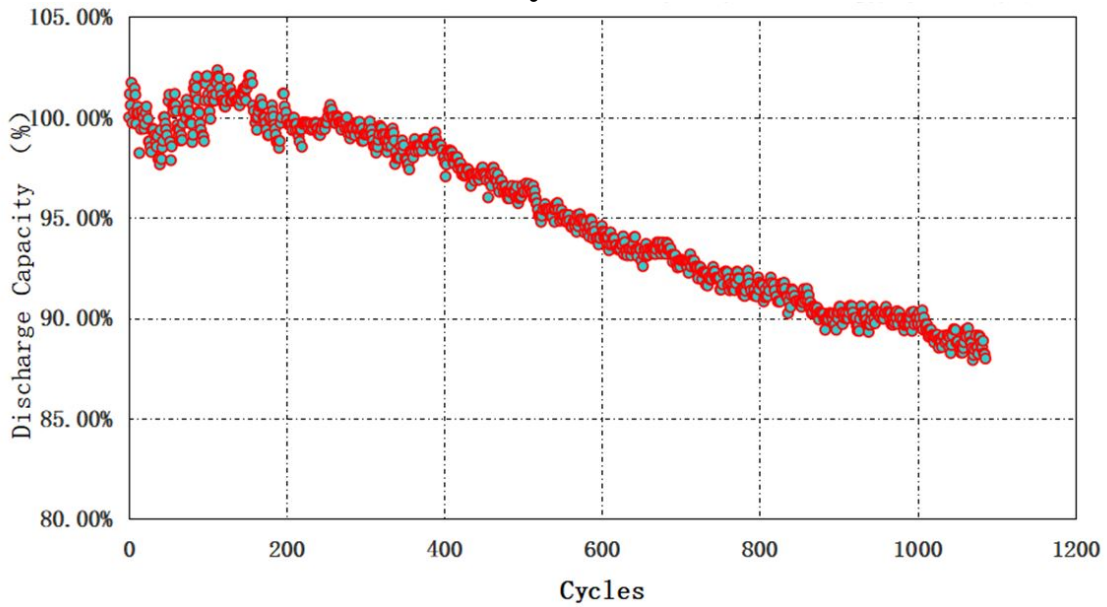
### Cell specification: LFP-18650-1100

ITEM	SPECIFICATION
Normal capacity	1100 mAh@0.5C
Minimum capacity	1050mAh@0.5C
Normal voltage	3.2V
Charging voltage	3.65 ±0.05 V
Discharge ending voltage	2.0 ±0.05 V
Standard charging current	1C (1100 mA)
Standard discharge current	10C(11000mA)
Max charge current	3C (25±3°C) (not for cycle life)
Max discharge current	30C (25±3°C) (not for cycle life)
Normal temperature cycle	100%DOD 800 cycles @80% 80%DOD 1200 cycles @80% 50%DOD 2000 cycles @80%
Recommended charge and discharge cell environment temperature	Charge: 0~45°C Discharge: -10~60°C
Maximum short term allowable charge and discharge cell body temperature. Charging and discharging at these conditions will shorten cell cycle life.	Charge: 60°C, Discharge: 70°C
Storage conditions	1 months: 20 to 35°C 3 months: 25 to 45°C 1years: -10 to 25°C Relative humidity 0-45%RH
Internal resistance	≤15mΩ (AC Impedance, 1000 Hz)
Cell dimensions (Non-PVC)	Height: 65.4±0.3mm Diameter: 18.3±0.2mm
Weight	≤45g

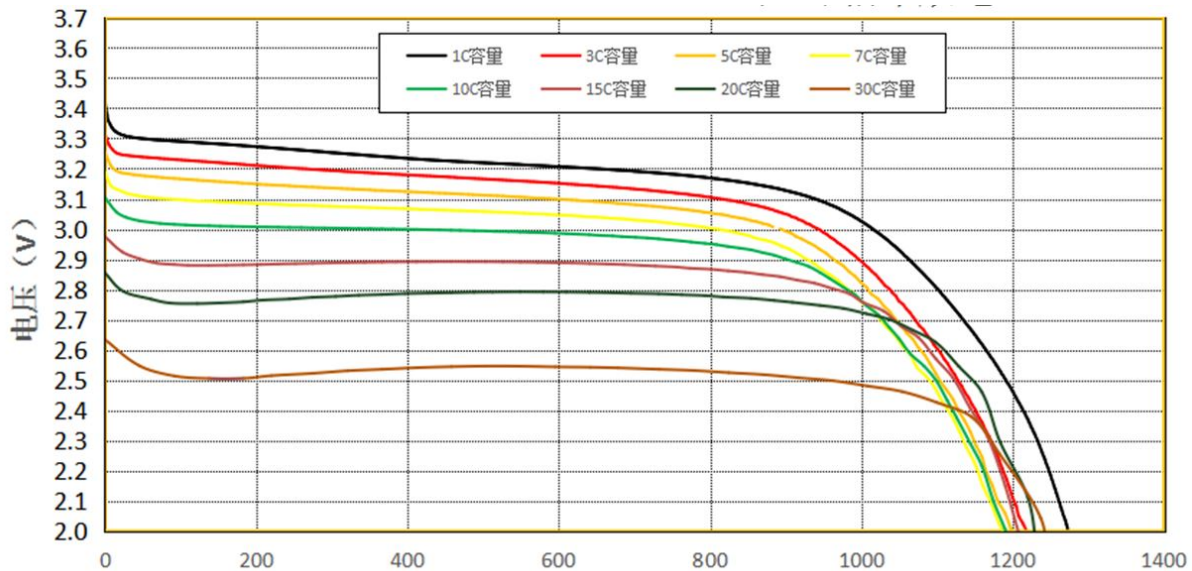
- **Rated capacity and minimum capacity:** Rated capacity: Cap=1100mAh, minimum capacity: Cap=1050mAh. Under 25±3°C, It means the capacity value of being discharged by 2-hours rate to end voltage 2.0 V, which is signed Cap, the unit is mAh.
- **Standard charge method:** Under 25±3°C, it can be charged to 3.65V with constant current of 1C, and then, charged continuously with constant voltage of 3.65V until the charged current is 0.02C.
- **Standard discharge method:** Under 25±3°C, it can be discharged to the voltage of 2.0V with constant current of 10C.



### 1C/10C Cycle Life

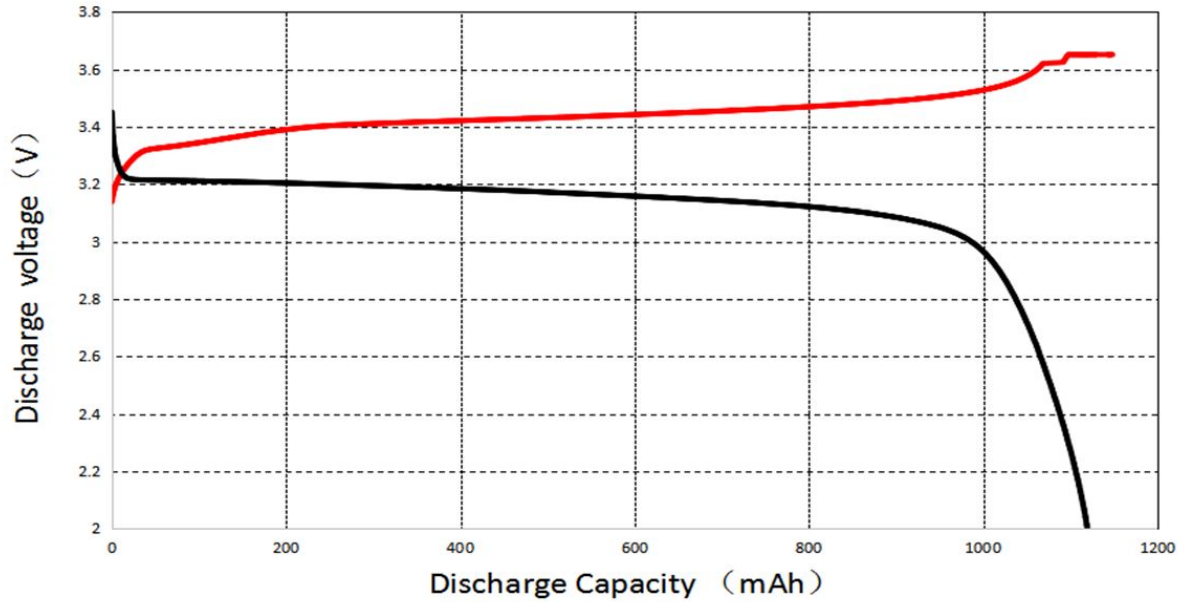


### 1C/3C/5C/7C/10C/15C/20C/30C Discharge Curve





### Charge and Discharge Curve



### Self-discharge Curve (Voltage vs Days) from day 2 to day 31

