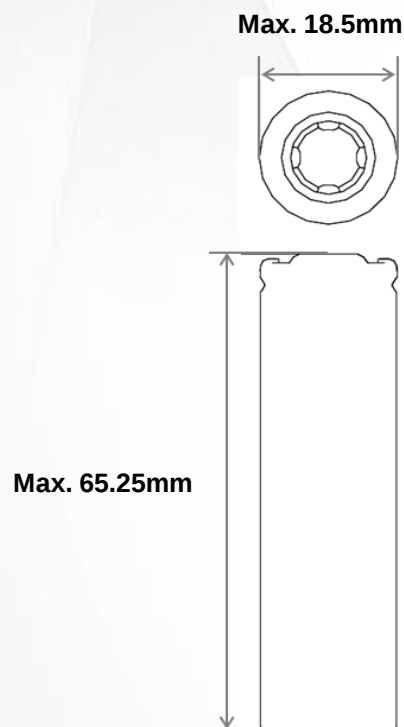


HJ2(3.0Ah, 18650)

HJ2(18650) - Basic Information



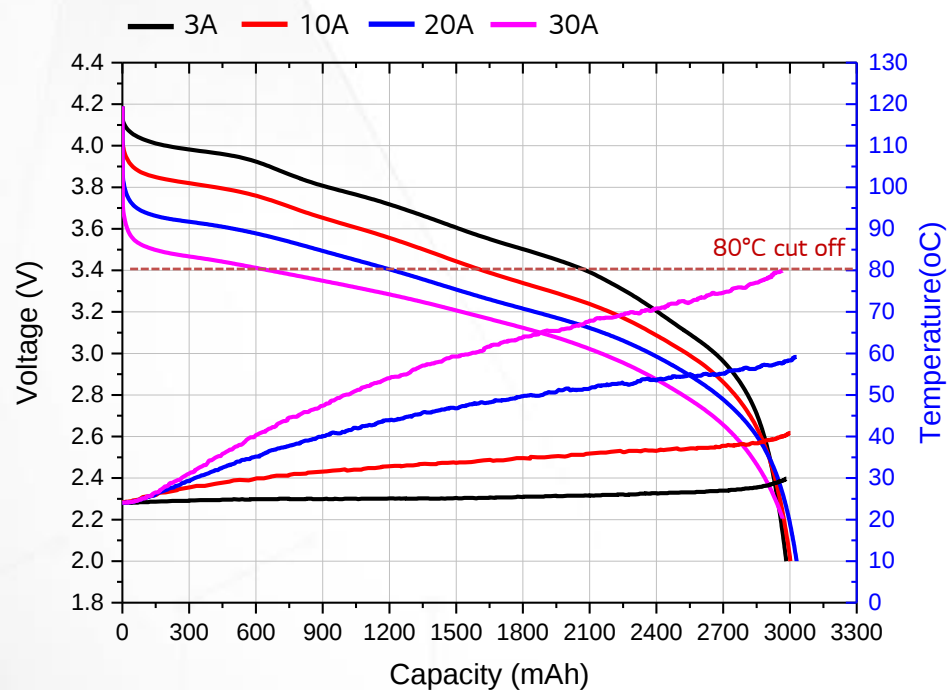
Model		HJ2 (3.0Ah)
J/R structure		1+2tab
Material	Cathode	High Ni NCMA
	Anode	High efficiency Si + Graphite
Dimensions	Diameter	Max. 18.5mm
	Height	Max. 65.25mm
0.2C Capacity		3,000mAh*
Energy Density		653Wh/L
Nominal Voltage		3.60V
ACIR(1kHz)		11mOhm
DCIR		18mOhm
Charge	Standard	3A 4.2V, 50mA cut (CC/CV)
	Max charge current	6A (TBD)
Discharge	Max current (for Continuous discharge)	20A
	End voltage	2.5V

* Nominal capacity

Charge(CC/CV) : 1.5A (0.5C), 4.2V, 0.05A cut-off, 25°C

Discharge : 0.6A(0.2C, 2.0V cut off 25°C

HJ2(18650) - Room Temperature Characterization



Test Condition

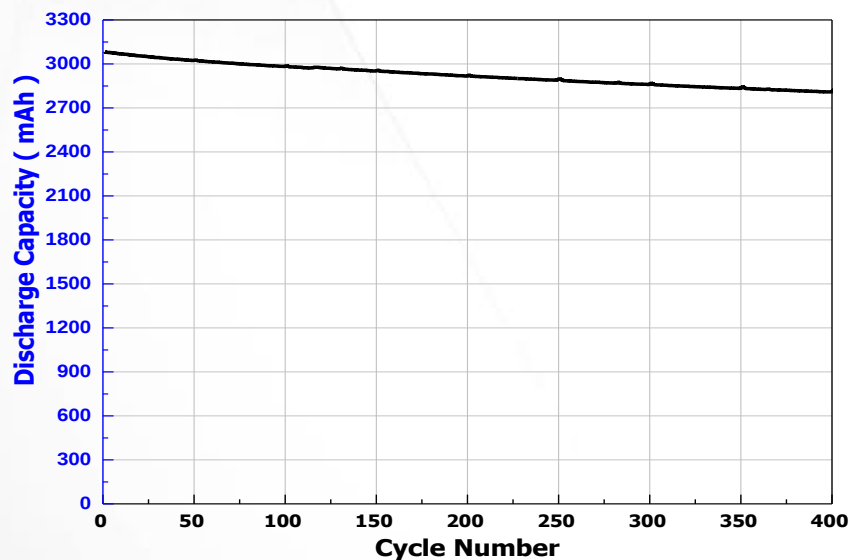
- Charge (CC/CV) : 3A charge to 4.2V, 50mA cut-off
- Discharge (CC) : 3A,10A,20A,30A discharge to 2.5V

	Capacity (mAh)	Temperature(°C)
3A	2983.4	29.9
10A	3002.2	40.9
20A	3030.0	59.1
30A	2967.3	80.0

HJ2(18650) - Cycle

Cycle performance is on going around 91%@400th (vs initial capacity) in 10A condition
and 85%@400th (vs initial capacity) in 20A condition.

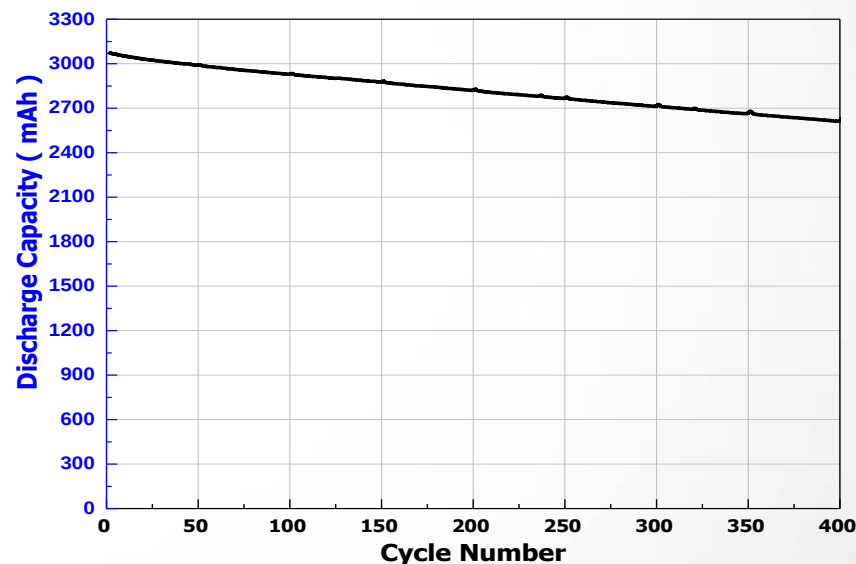
10A Cycle



Test Condition

- Charge (CC/CV) : 3A charge to 4.2V, 100mA cut-off
 - Discharge (CC) : 10A discharge until 2.5V
- in RT chamber

20A Cycle



Test Condition

- Charge (CC/CV) : 3A charge to 4.2V, 100mA cut-off
 - Discharge (CC) : 20A discharge until 2.5V
- in RT chamber