

1. Data Sheet¹

Model Number: HCF-18650P

2. Dimensions [mm]

▶ Diameter (D)	Max. 18.15±0.2
▶ Length (L)	Max. 65.2±0.3
▶ Weight Approx. [g]	40.0g

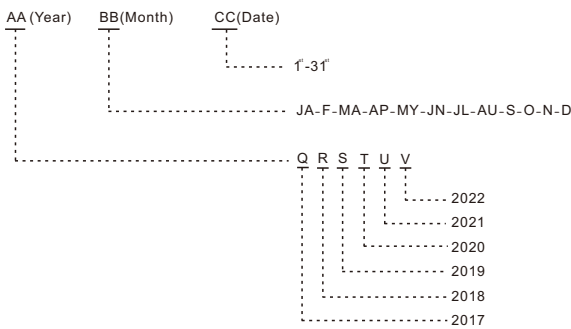
3. Electrical Parameter

▶ Nominal Voltage [V]	3.7 (average)
▶ Typical Capacity [mAh]	1120 (0.2C at 20°C)
▶ Min. Capacity C [mAh]	1100(0.2C at 20°C)
▶ Impedance Initial [mΩ]	<60 @ 1kHz at 4.2V
▶ Max. Charge Current [mA]	1.0C (Standard 0.2C)
▶ Max. Charge Voltage [V]	4.20
▶ Max. Discharge Current [mA]	15.0C (Standard 0.2C)
▶ Discharge Cut off [V]	3.0
▶ Life Expectancy 0.5C / 0.5C	>80% of capacity after 2000 cycles @0.2C, 25°C
▶ Operating Temperature [°C]	Charge: 0 to 45 Discharge: -20 to 60
▶ Storage Temperature	6 months at -10 to +35°C

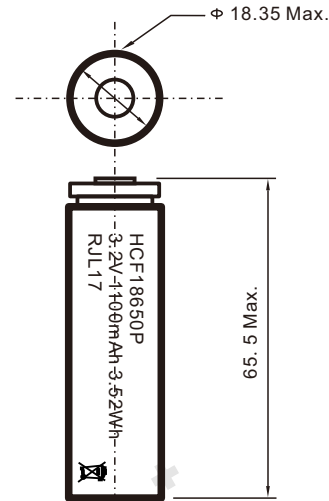
4. Delivery Status

▶ Cell Voltage	3.2V
▶ Cell Capacity	50%

5. Date Code Nomenclature



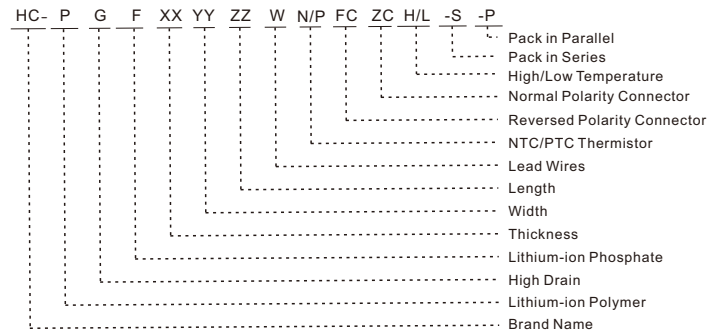
6. Mechanical Drawing (Not in Scale)



7. Safety Approvals

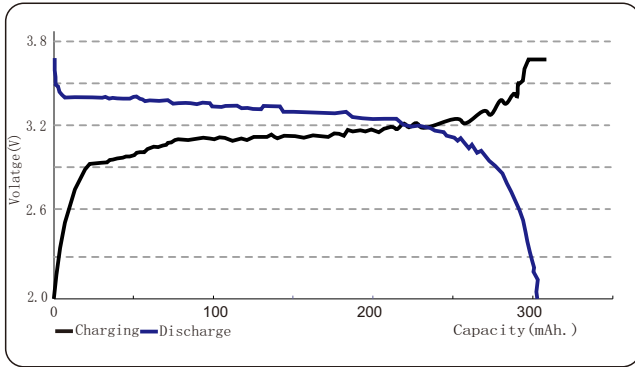
▶ Compliant with RoHS, CE, FCC, UN38.3, REACH, KC, PSE
IEC62133(TUV-CB), UL1642/2054 & GB31241-2014

8. Model Nomenclature

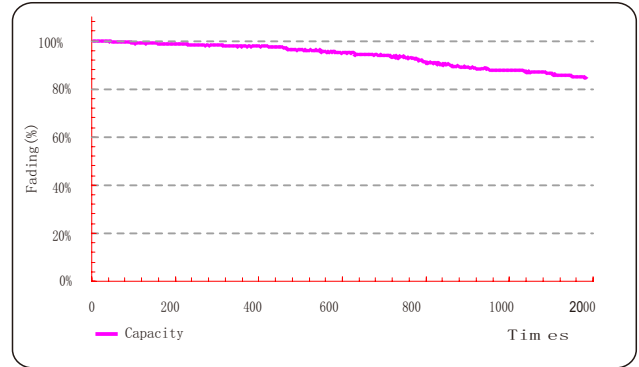


9. Curves

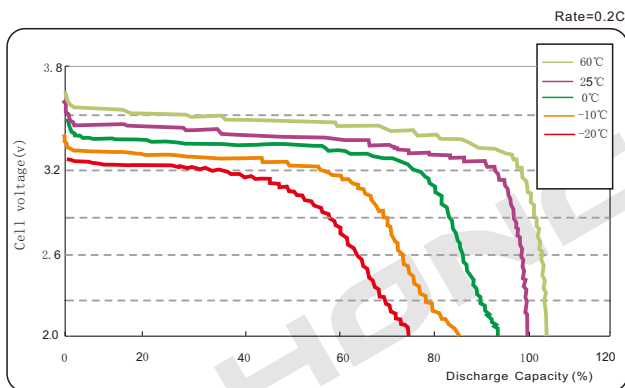
Charge & Discharge (25°C)



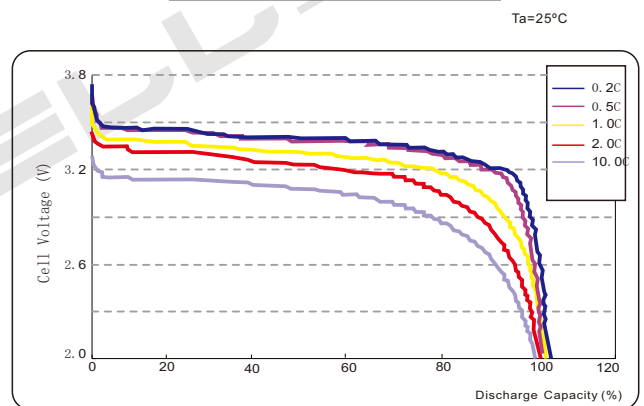
Cycle Life



Discharge Characteristics(Temperature)



Discharge Characteristics (Rate)



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