

Rechargeable Lithium-ion Polymer Battery

GEP053040

Electrical Characteristics

Nominal Capacity	580mAh (0.2C Discharge)
Nominal Voltage	3.7V
Charge Cut-off Voltage	4.2V
Discharge Cut-off Voltage	3.0V
Internal Impedance	≤ 130mΩ
Standard Charge Current	0.2C
Standard Discharge Current	0.2C
Weight	Appro. 16g
Rapid Charge Current	1.0C (CC/CV, 580mA, 4.2V, 6mA)
Max Discharge Current	1.0C (Ambient temperature 25°C)

Standard Charge

Constant Current(CC) Charging at 0.2C to 4.2V
 Constant Voltage(CV) Charging at 4.2V to cut-off current ≤ 0.01C

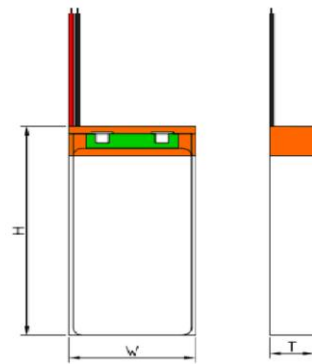
Standard Discharge

Constant Current (CC) Discharge at 0.2C to cut-off voltage of 3.0V

General cycle Life(25±2°C)

300times

Constant current 0.2C charge to 4.2V, then constant voltage charge to current declines to 0.01C, rest 0.5h, then constant current 0.2C discharge to 3.0V, rest 0.5h. Repeat above steps till continuously discharging capacity lower than 80% of the Initial Capacities of the Cells.



Dimension(without PCM and wire)
T: 5.0mm W: 30mm H: 40mm
 (Note: Drawings just for reference)

Terminal /Connector

Soldering tabs/wires/connectors
 (any special connector, please don't hesitate to contact us.)

Operating Temperature

Charge: 0 ~ 45°C
 Discharge: -20 ~ 60°C

Storage Temperature

During 1 month: -5 ~ 35°C
 During 6 months: 0 ~ 35°C

Note: Information above just for your reference, more details please contact Green Energy Battery Co.,Ltd.