

# Rechargeable Lithium-ion Polymer Battery

## GEP603759

### Electrical Characteristics

Nominal Capacity	1450mAh (0.2C Discharge)
Nominal Voltage	3.7V
Charge Cut-off Voltage	4.2V
Discharge Cut-off Voltage	3.0V
Internal Impedance	≤ 100mΩ
Standard Charge Current	0.2C
Standard Discharge Current	0.2C
Weight	Appro. 25g
Rapid Charge Current	1.0C (CC/CV, 1450mA,4.2V,14mA)
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

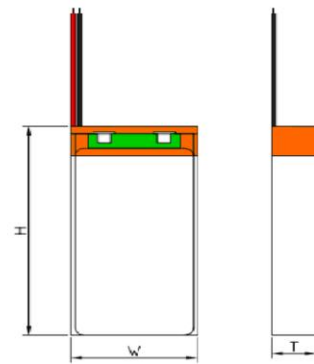
### Standard Discharge

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: 6.0mm W: 37mm H: 59mm**  
 (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.