

# Rechargeable Lithium-ion Polymer Battery

## GEP323450

### Electrical Characteristics

Nominal Capacity	520mAh (0.2C Discharge)
Nominal Voltage	3.7V
Charge Cut-off Voltage	4.2V
Discharge Cut-off Voltage	3.0V
Internal Impedance	≤ 150mΩ
Standard Charge Current	0.2C
Standard Discharge Current	0.2C
Weight	Appro. 11.5g
Rapid Charge Current	1.0C (CC/CV, 520mA, 4.2V, 5mA)
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

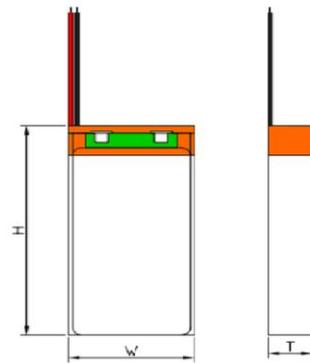
### Standard Discharge

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: 3.2mm W: 34mm H: 50mm**  
 (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.