



Pouch-Cell

HCB602035



Thickness: 6.0 / Width: 20.0 / Length: 35.0
Dimension (Unit: mm)

Advantage

- **Highly Flexible and Customizable** (size and model can be customized, square ultra-thin structure, maximizing the use of battery compartment)
- **Better Safety** (soft aluminum plastic film shell, safer than ordinary steel and aluminum shell batteries)
- **Higher Capacity** (compared with steel and aluminum prismatic batteries of the same size, the capacity can be increased by 5%~15%)
- **Light Weight, High Specific Energy** (mass specific energy can reach 250W/kg)

Application

- Smart Wearable Devices
- GPS Tracker
- Portable Power Bank
- Portable Medical Devices
- Electric Two Wheeler

Electrical Performance Parameters

Product Series: HCB Li-Po Pouch-Cell

Nominal Capacity 400 mAh

Nominal Voltage 3.7 V

Discharge Cut-off Voltage 2.5 V

Charging Cut-off Voltage 4.2 V

Cycle life (0.2C 100%DoD) ≥ 300

Maximum Continuous Discharge Current
80 mA

Maximum Pulse Discharge Current
400 mA

Maximum Charging Current
400 mA

Internal Resistance (1kHz@RT)
 ≤ 220 m Ω

Storage Environment (Recommended)

$25 \pm 3^{\circ}\text{C}$ $65 \pm 20\%$ RH

Operating Temperature

Charging Temperature $0^{\circ}\text{C} \sim +40^{\circ}\text{C}$

Discharge temperature $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$