



Pouch-Cell

HCB523450



Thickness: 5.2 / Width: 34.0 / Length: 50.0
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 1000 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
200 mA

Maximum Pulse Discharge Current
1 A

Maximum Charging Current
1 A

Internal Resistance (1kHz@RT)
 $\leq 150 \text{ m}\Omega$

Storage Environment (Recommended)

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

Operating Temperature

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

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