Rechargeable Li-Ion Button Cell Specification

MODEL: LIR2450 (3.6V, 120mAh)

1. Scope:

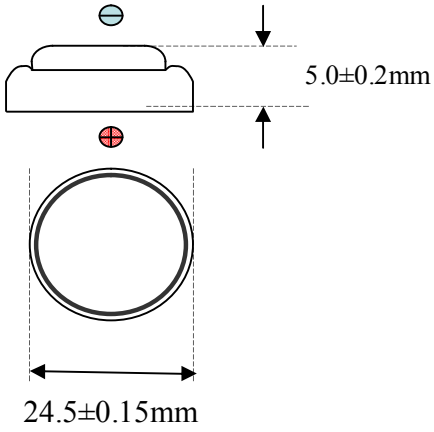
The purpose of this product specification is to provide technical information for the rechargeable Li-ion button cell LIR2450.

2. Main Features:

1) Long life span, cycle life≥400 cycles,capicty≥80%.
2) High energy density, less weight, compact design, much suitable for small appliances.
3) Safety design, no metal lithium.
4) High voltage output, 3.6V nominal voltage, 3times of Ni-Cd or Ni-Mh.
5) No memory effect, charge or discharge at any time.
6) Low self-discharge rate, less than 7% /M.

3.Specification

标称电压 Nominal Voltage	3.6v
标称容量 Nominal Capacity	120±10mAh
标准电流 Standard Current	24mA
最大电流(间断) Max Current(pulse)	120mA
内阻 Internal Impedance	≤200mΩ
标准重量 Nominal Weight	5.0g



* Measuring method of Internal Impedance: Charging with 0.5CmA Constant Current till 4.2V Voltage, then store it for 1hour, measure the cell with 1kHz AC testing instrument

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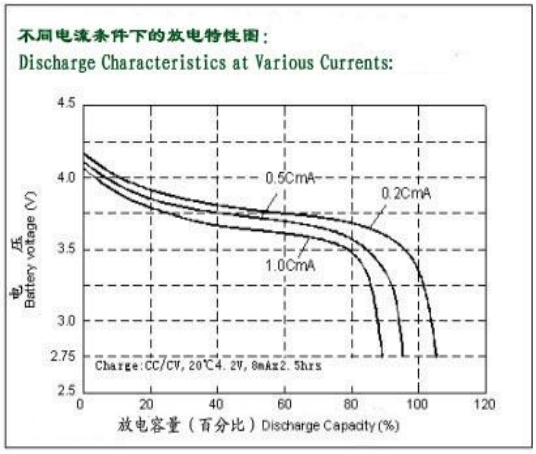
4. Charging and Discharging

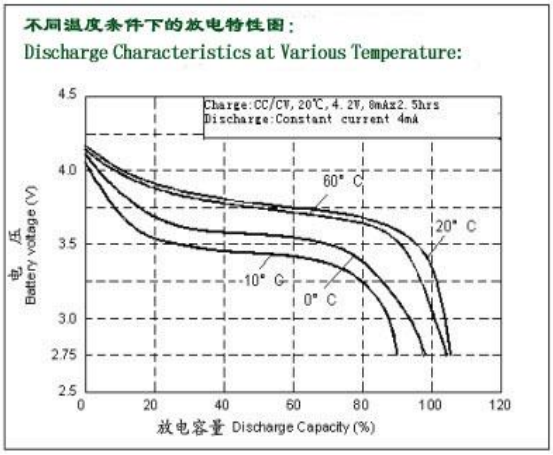
4.1 **Discharging**: 20±5℃ ambient temperature, charging with 0.5CmA constant current till 4.20V (Max), store it for 1hour, then discharge it with 0.5C mA constant current till cut off voltage 2.75V.

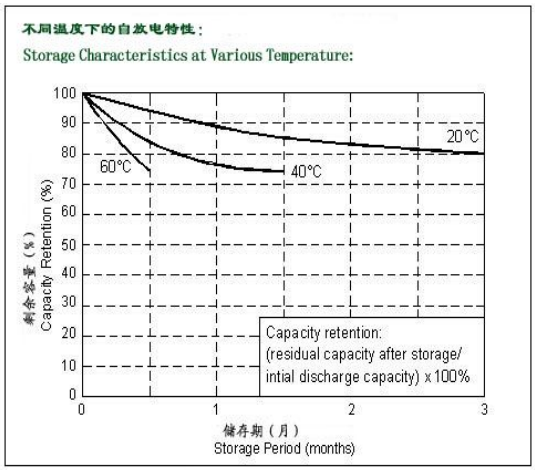
4.2 Charging：

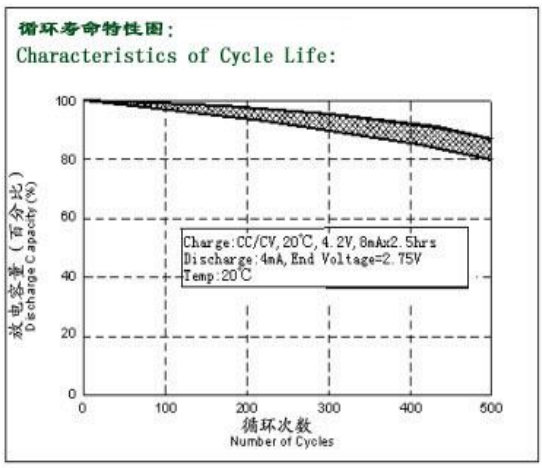
1)Standard Charging： 20±5℃ ambient temperature，Charge it with 0.5CmA constant current till 4.2V(Max) then charge it with constant voltage 4.2V.When the charging current drops to 0.8mA,stop the charging

2)Fast Charging: 20±5℃ ambient temperature，Charge it with 1CmA constant current till 4.2V(Max) then charge it with constant voltage 4.2V.When the charging current drops to 0.8mA,stop the charging









5.Cautions

* Keep away form heat and fire.
*Keep the battery away from water or other liquid
*Do not disassemble the battery
*Do not short circuit the battery,Do not stack the battery with other metal materials
*Do not deform the battery
*Do not directly solder on the battery surface
*Do not use different type of battery together
*Insert the battery with correct +,--
*Charge the battery with special designed charger