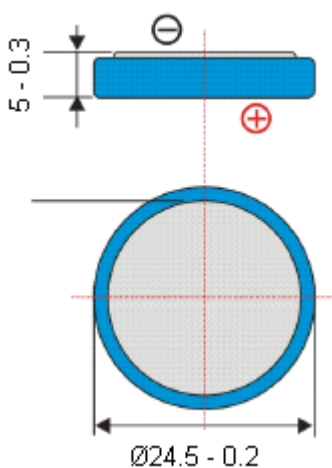


Lithium-ion Battery

Electrical Characteristics

Item	Testing Instruction	Requirements
Hot Box Test	Put the testing batteries connecting with thermocouple in constant temperature box. Heat the batteries and box (speed of ascending temperature is $5 \pm 2^{\circ}\text{C}$ at room temperature simultaneously). Monitor the temperature change of the box. Keep for 10 minutes after the box temperature reaches $150 \pm 2^{\circ}\text{C}$, then stop the test	No fire, no explosion
Vibration Test	After the charge at 2.2.2, put the testing battery on the vibration testing equipment. Vibrate it from X,Y two different directions for 30 minutes (Frequency of vibration: 10 Hz - 30 Hz, displacement of single swing: 0.38 mm; Frequency of vibration: 30 Hz-55 Hz, displace of single swing: 0.19 mm) in swept vibration from 10 Hz to 50 Hz. The swept rate is 1 oct / min.	No fire, no explosion $\geq 90\%$ of the nominal capacity
Drop Test	After the charge at 2.2.2, free drop the testing battery from the height of 1 meter (the lowest point height) once from the each six positive and negative X, Y, Z directions to the hardwood board (the thickness of the board is about 50 mm)	No fire, no explosion $\geq 90\%$ of the nominal capacity

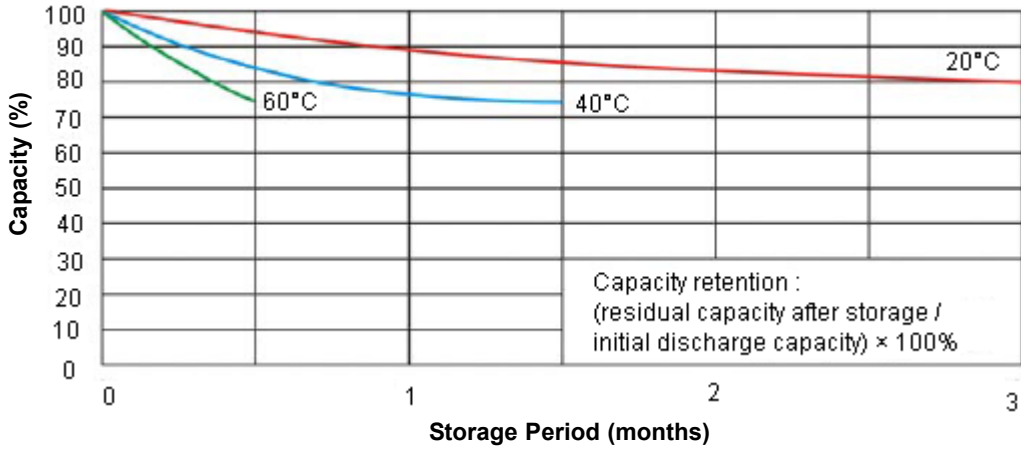
Battery Dimension



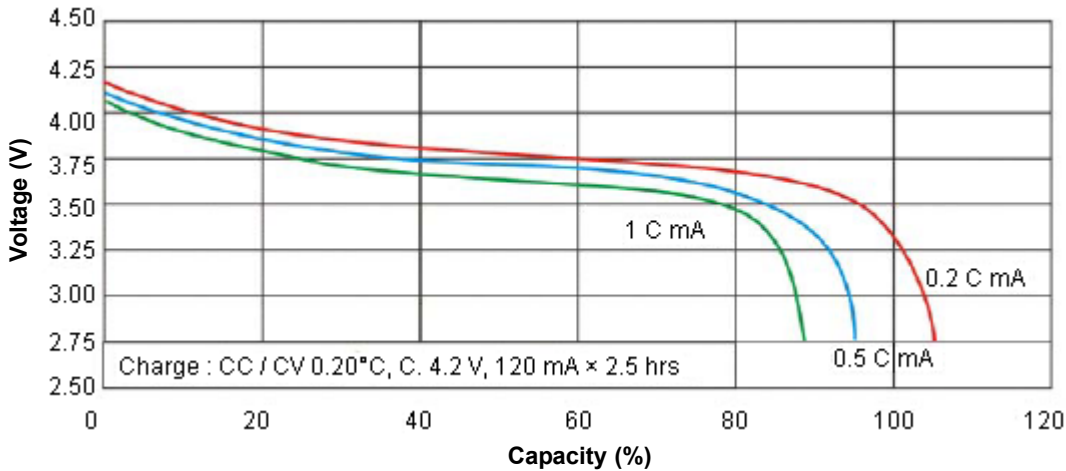
Dimensions : Millimetres

Discharge Characteristics

LIR2450 Storage Characteristics



LIR2450 Typical Discharge Characteristics at Various Currents



LIR2450 Typical Temperature Characteristics

