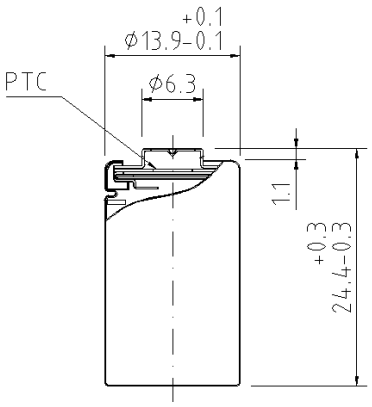
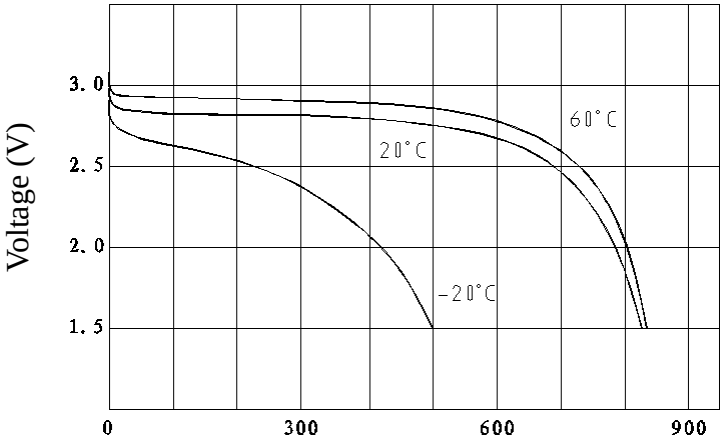
HUALI BATTERY INDUSTRY CO.,LTD.

LITHIUM BATTERY



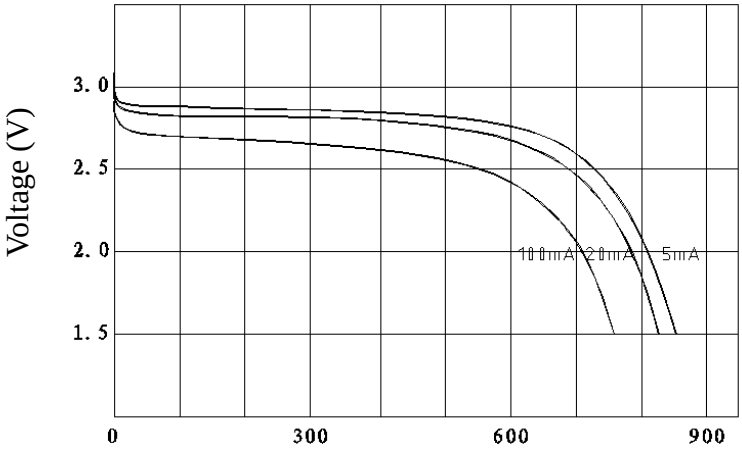
Temperature characteristics(20mAh)



(mAh)

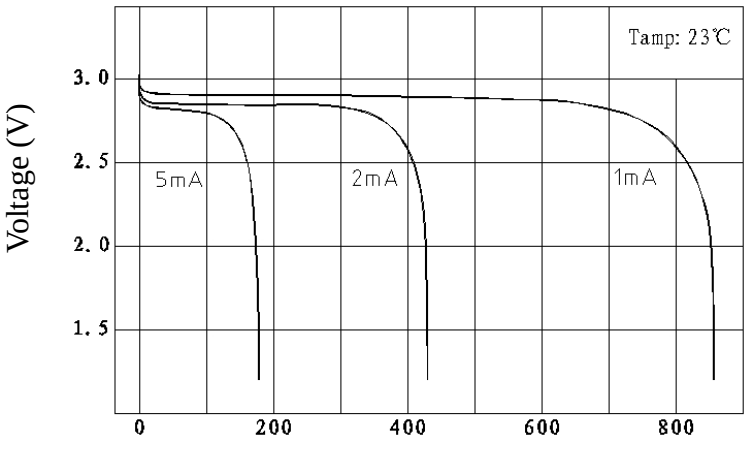
Model	CR14250
Nominal Voltage	3V
Nominal Capacity	**850mAh@20mA to 1.5v**
Dimension	Φ13.9×24.4mm
Weight	9.0g
Temperature range	-40~60℃

Discharge curve at various currents



(mAh)

Discharge curve at various currents



Duration (hour)

HUALI BATTERY CO.,LTD.

1. Model Number	: CR14250
2. Nominal Voltage	: 3 V
3. Nominal Capacity	: 850 mAh (Nominal capacity is based on standard discharge current and cutoff Voltage down to 1.5V at 20±5℃)
4. Standard Discharge Current	: 20 mA
5. Max. Continuous Discharge Current	: 850 mA
6. Construction	
6.1 Appearance, Dimensions	: There shall be no noticeable deformation. The dimensions shall be according to the attached drawings.
6.2 Weight	: Approx. 9.0g
7. Performance	
7.1 Open Circuit Voltage	: Min. 3 V
7.2 Temperature Range	: Discharge -40 to 60℃ Storage -20 to 45℃
7.3 Leakage Resistance	: The battery shall not show leakage or salting which harms performance.
8. PTC (Positive Temperature Coefficient) Device Performance	
8.1 Appearance	: There shall be no noticeable deformation and/or scratches.
8.2 Resistance	: The resistance shall be between 10 to 70 mΩ (no load). When 5 A flows, the resistance shall be more than 10 Ω before 80 seconds.
9. Test Conditions, Measuring Instruments and Measuring Methods	
9.1 Test Conditions	: If not otherwise specified, Temperature : 25±5℃ Humidity : 65±10%
9.2 Measuring Instruments	
i) Volt Meter	: Internal Impedance : More than 1MΩ Accuracy : Less than 0.25%
ii) Caliper	: Accuracy : less than 0.25%
iii) Balance	: Sensitivity : More than 100 mg
9.3 Measuring Method	
i) Outer Dimensions	: This shall be measured with the caliper described in Item 9.2 ii).
ii) Weight	: This shall be measured with the balance described in Item 9.2 iii).
iii) Appearance	: Deformation or tarnish shall be visually checked.
iv) Open Circuit Voltage	: This shall be measured with the volt meter described in Item 9.2 i).

v) Operating Time (Duration) : Operating time shall be measured with cycles until terminal voltage reaches the specified cut-off voltage.

vi) Vibration Resistance : Amplitude ; 2 mm
Number of Vibrations : 1000 rpm.
Directions ; X,Y,Z
Time ; 30 minutes in each direction

vii) Leakage Resistance : Heat cycle test
Leakage, appearance and outer dimensions shall be checked after 10 cycles according to MIL-STD-202E-106D.
The battery shall be kept in a dry place. It should not show any dew point when stored in this condition.

10. Precautions for use

1) A battery shall not be stored at temperatures in excess of 45℃. Storage at less than 30℃ is recommended. Storage at less than -40℃ can deform the plastic parts and may cause a leakage. To prevent self-discharge caused by corrosion, or decrease of insulation, humidity during storage shall be less than 70%.

2) The battery has an explosion resistant construction. But the following cautions should be taken, because combustible materials such as lithium metal and organic electrolyte are contained in the battery.

* Do not use except in applicable model or equipment.
* Do not connect more than three cells in series.
* Do not mix different types (chemistries) of batteries.
* Do not short circuit.
* Do not dispose in fire.
* Do not charge.
* Do not disassemble.
* Do not connect the wrong polarity (+,-)

3) Keep away from heat source of flame.

4) The battery shall not be washed by ultrasonic wave washer.