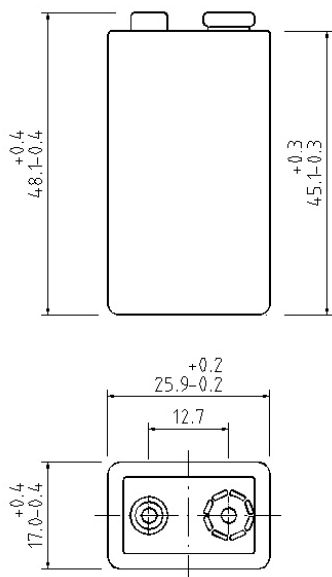


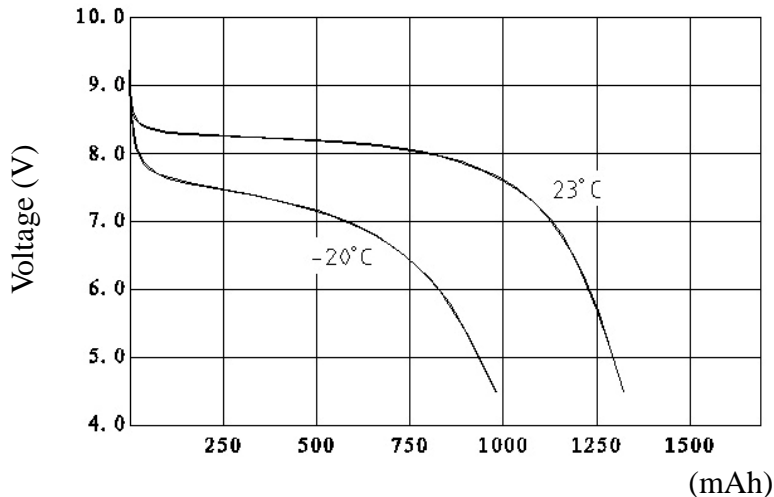
HUALI BATTERY INDUSTRY CO.,LTD.

LITHIUM BATTERY

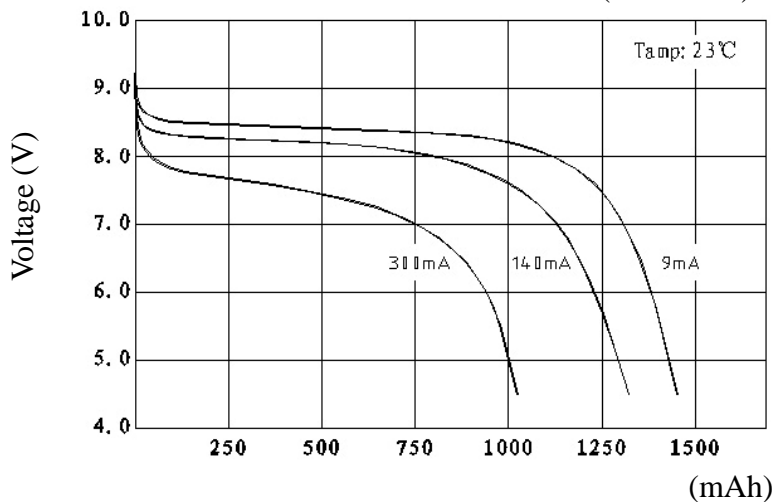


Model	3CP502540	
Nominal Voltage	9V	
Nominal Capacity	1400mAh	
Standard Discharge Current	9mA	
Dimension	17.0×25.9×48.1mm	
Weight	45.0g	
Temperature range	-30~60°C	
Max. Discharge Current	Continuous	700mA
	Pulse	1400mA

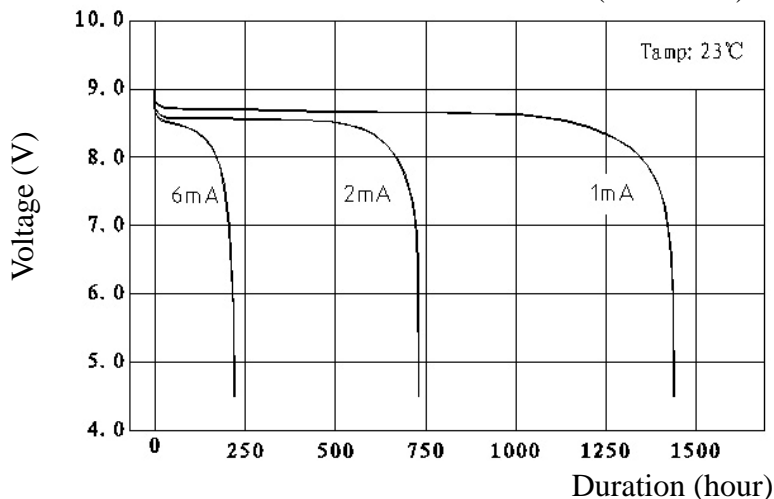
Temperature characteristics(140mA)
(EPV 4.5V)



Discharge curve at various currents
(EPV 4.5V)



Discharge curve at various currents
(EPV 4.5V)



HUALI BATTERY CO.,LTD.

1. Model Number : 3CP502540
2. Nominal Voltage : 9 V
3. Nominal Capacity : 1400 mAh
(Nominal capacity is based on standard discharge current and cutoff Voltage down to 4.5V at $20\pm 5^{\circ}\text{C}$)
4. Standard Discharge Current : 9 mA
5. Max. Continuous Discharge Current : 700 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. 45.0g
7. Performance
 - 7.1 Open Circuit Voltage : Min. 9.0 V
 - 7.2 Temperature Range : Discharge -30 to 60°C
Storage -20 to 45°C
 - 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 50 to 150 $\text{m}\Omega$ (no load).
When 3 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 : $25\pm 5^{\circ}\text{C}$
Humidity : $65\pm 10\%$
 - 9.2 Measuring Instruments
 - i) Volt Meter : Internal Impedance : More than $1\text{M}\Omega$
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°C. Storage at less than 30°C is recommended. Storage at less than -40°C 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 short circuit.
 - * Do not dispose in fire.
 - * Do not charge.
 - * Do not disassemble.
- 3) Keep away from heat source of flame.
- 4) The battery shall not be washed by ultrasonic wave washer.