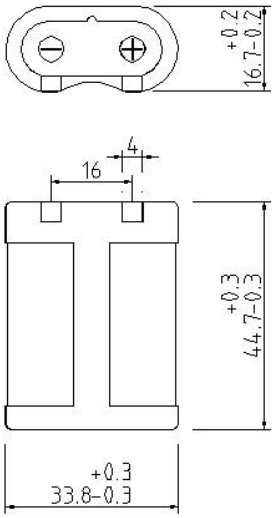
EAST(SHENZHEN)TECHNOLOGY CO.,LTD

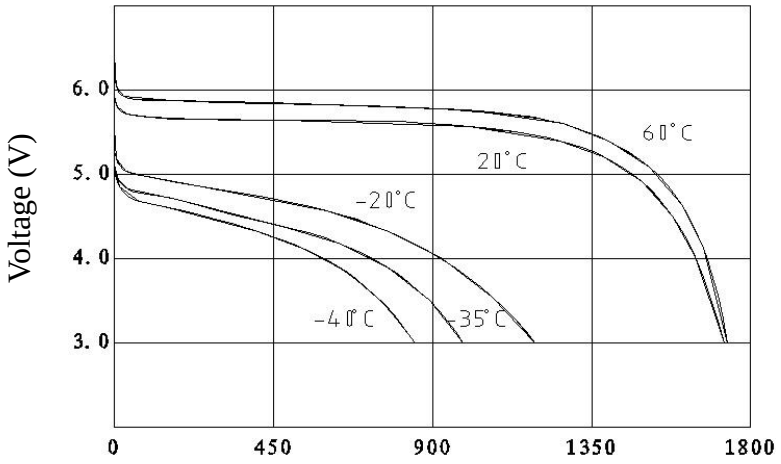
Datasheet **Model: 2CR5 Lithium Battery**

NO.: 01-2012 ***Eunicell Battery***

2CR5 LITHIUM BATTERY



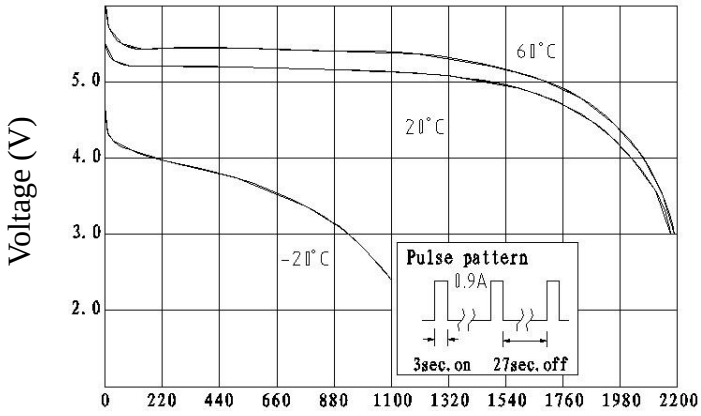
Temperature characteristics(20mA)



(mAh)

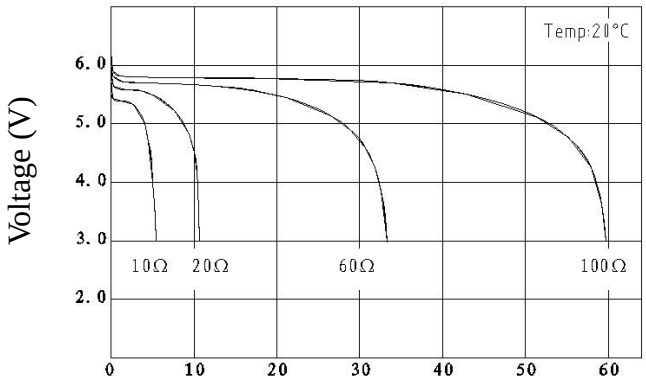
Model	2CR5
Nominal Voltage	6V
Nominal Capacity	1700mAh
Standard Discharge Current	20mA
Dimension	16.7×33.8×44.7mm
Weight	37.5g
Temperature range	-40~60℃

Pulse discharge characteristics



Cycle number (cycle)

Typical discharge characteristics



Duration (h)

Eunicell ®

Batteries

EAST(SHENZHEN)TECHNOLOGY CO.,LTD

Datasheet **Model: 2CR5 Lithium Battery**

NO.：01-2012 ***Eunicell Battery***

1. Model Number	: 2CR5
2. Nominal Voltage	: 6 V
3. Nominal Capacity	: 1700 mAh (Nominal capacity is based on standard drain and cutoff Voltage down to 3.0V at 25±5℃)
4. Standard Discharge Current	: 20 mA
5. Max. Continuous Discharge Current	: 1500 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. 37.5g
7. Performance	
7.1 Open Circuit Voltage	: Min. 6 V
7.2 Duration 1. (at 20±2℃)	
7.2.1 Pulse Discharge Conditions	: Population Mean ≥ 1100 cycles
Pulse Current	: 900 mA
One Cycle	: 3 seconds on, 27 seconds off
Cut Off V.	: 3.1 V
7.3 Duration 2. (at -20±2℃)	
7.3.1 Pulse Discharge Conditions	: Population Mean ≥ 600 cycles
Pulse Current	: 900 mA
One Cycle	: 3 seconds on, 27 seconds off
Cut off V.	: 2.4 V
7.4 Temperature Range	: Discharge -40 to 60℃ Storage -40 to 75℃
7.5 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	: Internal Impedance : More than 1MΩ
i) Volt Meter	Accuracy : Less than 0.25%
	: Accuracy ; less than 0.25%
ii) Caliper	: Sensitivity ; More than 100 mg
iii) Balance	
9.3 Measuring Method	: This shall be measured with the caliper
i) Outer Dimensions	described in Item 9.2 ii).
	: This shall be measured with the balance
ii) Weight	described in Item 9.2 iii).
	: Deformation or tarnish shall be visually
iii) Appearance	checked.
	: This shall be measured with the volt
iv) Open Circuit Voltage	meter described in Item 9.2 i).
	: Operating time shall be measured with
v) Operating Time (Duration)	cycles until terminal voltage reaches
	the specified cut-off voltage.
	: Amplitude ; 2 mm
vi) Vibration Resistance	Number of Vibrations : 1000 rpm.
	Directions ; X,Y,Z
	Time ; 30 minutes in each direction
	: Heat cycle test
vii) Leakage Resistance	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 short circuit.
    * Do not dispose in fire.
    * Do not charge.
    * Do not disassemble.
3) Keep away from heat sourse of flame.
4) The battery shall not be washed by ultrasonic wave washer.