



CR2032 battery specification

1. Type designation:

CR2032

2. Chemical system:

Electrolyte-zinc-manganese dioxide (mercury & cadmium free)

3. Dimension: Diameter: 19.7-20.0mm

Height: 2.9-3.2mm

4. Nominal voltage: 3.0Volts

5. Nominal:

The weight of each battery is approximately: **3.0 g**

6. Heavy Metal content (%):

Mercury content	Cadmium	Lead
≤5ppm	≤20ppm	≤100ppm

7. Appearance and terminal:

Battery shall be clean and have no dirt, no leakage, and no deformation which may affect their performance and actual use and shall have clearly visible markings.

8. Battery capacity: (Test environment : 20°C±2,60%±15%R.H)

(Load resistance:15Kohms, Daily period:24h/d, Cut off voltage:2.0V ; According to as the above the same discharge condition, the capacity of each battery is approximately:190mAh)

9. Storage characteristics:

After 12 months storage at 20°C, 98% capacitance of fresh cells.

10. Discharge test (service life) (Test environment: 20°C±2,45%--75%R.H)



LOAD Resistance	Daily Period	Cut off Voltage	MAD
1.5K Ω	24h/d	2.0V	108h
15 K Ω	24h/d	2.0V	1030h

Remark: The discharge time is the minimum average duration (MAD).

11. Discharge curve:

① 1.5Kohms 24h/d to 2.0V continuous discharge curve (picture 1)

② 15Kohms 24h/d to 2.0V continuous discharge curve (picture 2)

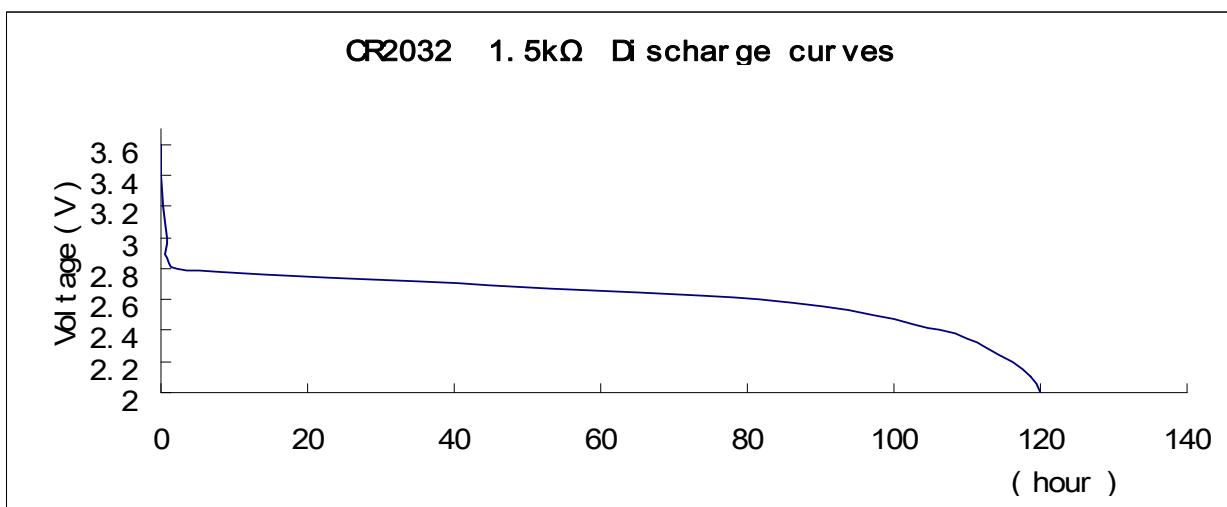
12. Expiry period: 8 years

13. Expiry period marking :

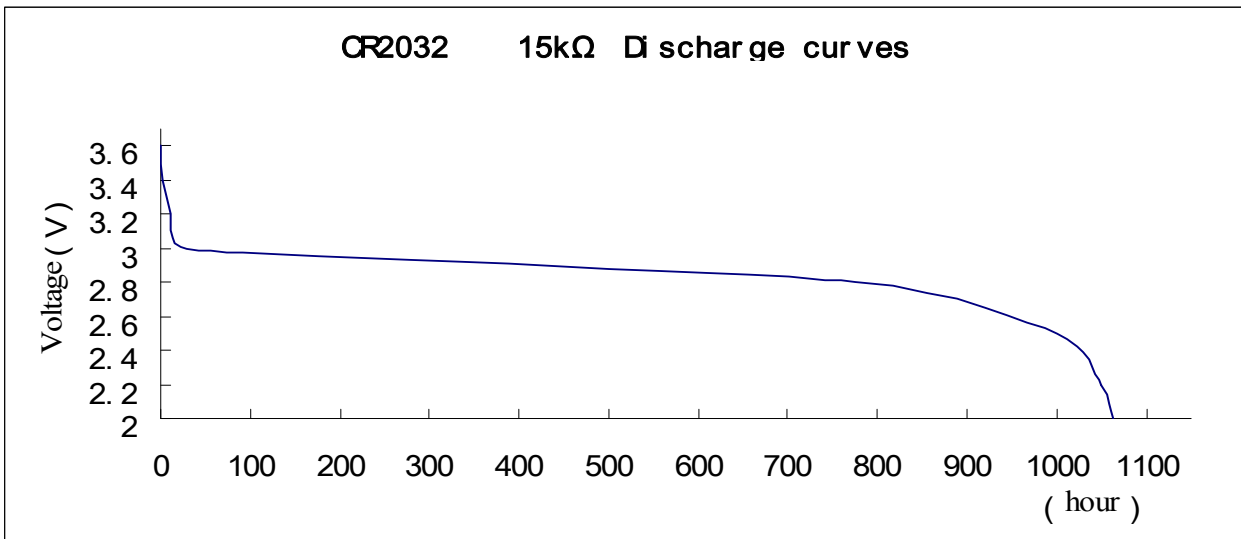
① Expiry date marked on the card of package. For example: 2005-08 means the production date is August 2005; 2020-08 means the expiry period is August 2020.

② For private label, can mark according to customer's requirement.

picture 1



picture 2



14. Caution for Use

- (1) Since the button cell is not manufactured for recharging, there are risks of electrolyte leakage or causing damage to the device if the cell is charged
- (2) The button cell shall be installed with its "+" and "--" sign according to the instruction shown on the applied device.
- (3) Short-circuiting, heating, disposing of in fire, or disassembling the button cell shall be prohibited.
- (4) Keep away from children.