



XELLEX BATTERY (HK) LIMITED

XELLEX BATTERY & POWER SUPPLY TECH. CO., LTD.

ER9V

TECHNICAL SPECIFICATIONS

DRAFTED BY: _____

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APPROVED BY: _____

CLIENT ADMITED

SIGN :

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The Technical Specifications hereinafter is only applicable to the Lithium-thionyl Chloride ER9V type battery, which was provided by Xellex Battery Co., Ltd. All the practical technical data, which were used to describe Battery Performance involved in the Specifications are obtained from the relevant experiments to the products of Xellex. Rights reserved to take relevant rectifications or modifications to the structure and performance of the products without prior notice.

1. Scope

The Specifications is solely applicable to the "Xellex" Lithium-thionyl Chloride Battery---**ER9V**.
Combination method: 3*ER14250C connect in series

2. Dimensions

Height: 48.6 ± 0.5 mm

Width: 26.3 ± 0.5 mm

Thickness: 15.95 ± 0.5 mm

3. Average Weight: Around 31g

4. Electrical Performance (Typical Values for cells stored for one year or less)

4.1. Nominal Capacity: 1.2Ah

(At 1.5mAh, +25 , 6.0V cut off. The Capacity restored by the cell varies according to current drain, temperature and Cut-off Discharge Voltage)

4.2. Open Circuit Voltage: 11V (+20)

4.3. Nominal Voltage: 9.0V (+20 , 1.5mA)

4.4. Maximum Recommended Continuous Current: 15mA

(Higher currents possible, consult XELLEX)

4.5. Storage (recommended): 30 Max.

4.5. Operating Temp. Range: -40 ~ +85

(Operation at temperature different from normal temperature may lead to reduced capacity and lower voltage readings at the initial period of Pulse Discharging)

5. Key Features

Stable and High Operating Voltage

High Discharging Voltage

Low self-discharging rate (Less than 1% after 1 year's shelf time at 25)

Stainless steel container

Unique glass-to-metal hermetic sealing

Non-flammable electrolyte

Compliant with IEC 86-4 Safety Standard

Underwriters Laboratories (UL) Component Recognition (File Number MH 28717)

6. Main Applications

Utility Metering

Alarms and security devices

Memory back-up

Detecting systems (smog)

Automotive electronics

Professional electronics (medical instruments, etc.)

7. Marking : The following markings will be printed, stamped or impressed on the body of the battery :

- (1) Designation : ER9V
- (2) Manufacturer's name, abbreviation or brand : XELLEX
- (3) Nominal Voltage : 9.0V
- (4) Polarity : " + " , " - "
- (5) Warning: Battery may explode or leak if recharged or disposed of in fire.
- (6) Expiry Date(Guarantee Period) : The Date which show on the labels of the finished product is used to indicate the Quality Assurance Period before it is used.



- (7) Icon :  An Icon which indicates the battery can not be disposed of in the Rubbish Can.

8. Cautions For Use

- (1) There are risks of leakage or explosion once the battery is recharged or crushed.
- (2) The battery shall be installed with its "+" and "-" in the right position.
- (3) Short-connecting, heating, disposing of into fire and disassembling the battery are prohibited, or it may causes explosion, burning and leakage of harmful material.

9. Electrical Performance Curves:

- (1) Voltage VS. Current at +20 (in the process of discharging) (Figure 1)
- (2) Restored Capacity VS. Current at +20 (CDV at 6.0V) (Figure 2)

10. Battery Dimensions (Figure 3)

Figure 1:

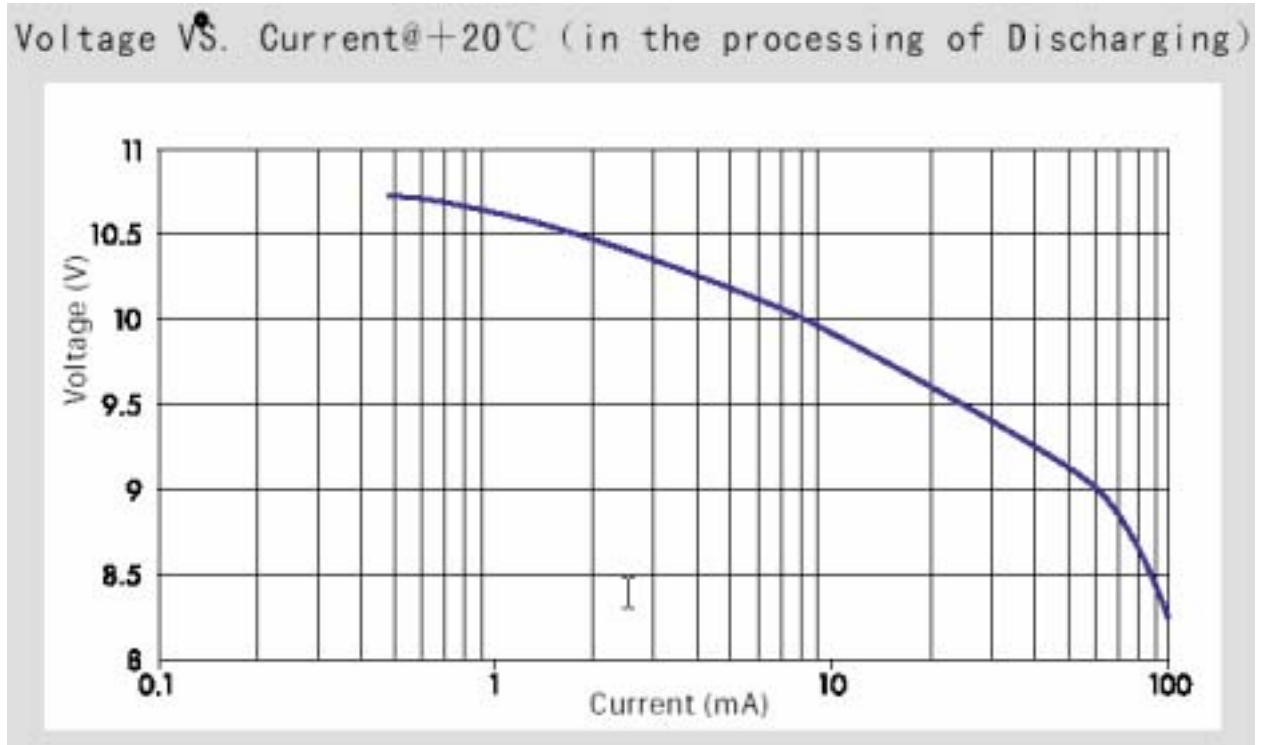


Figure 2:

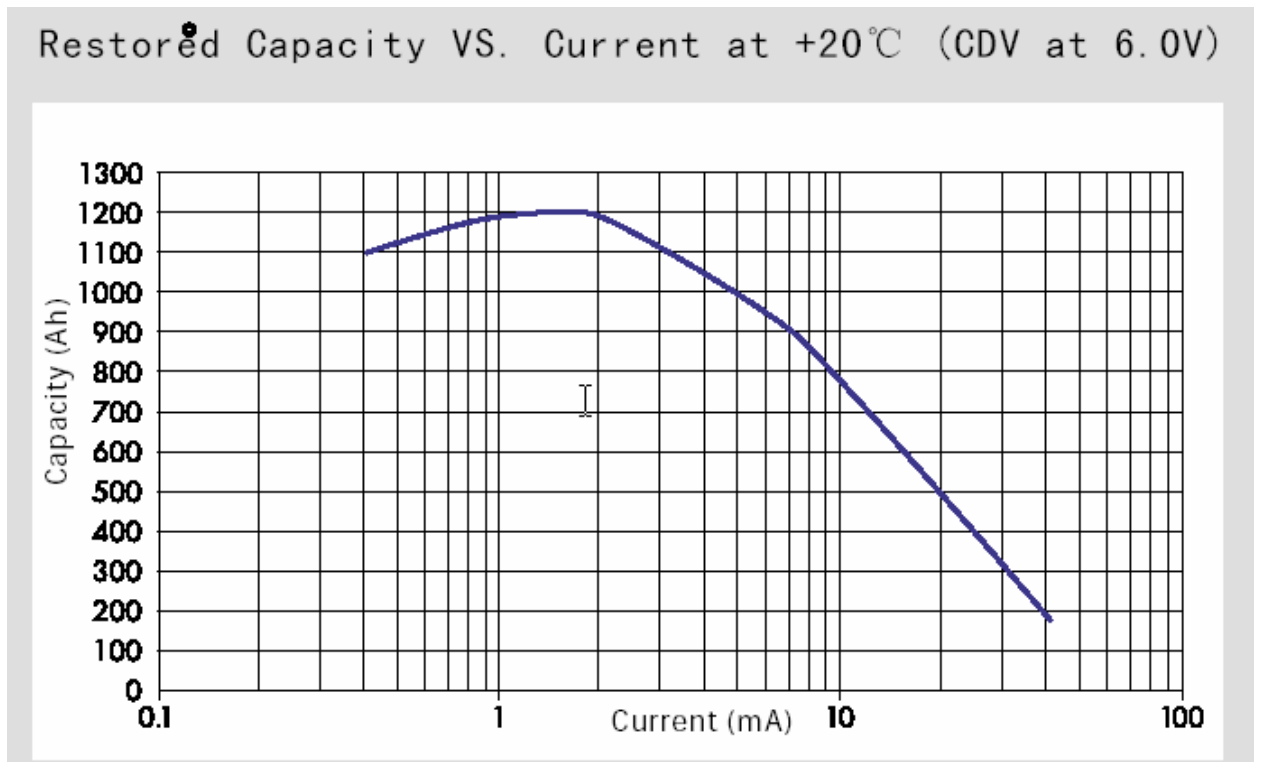


Figure 3:

XELLEX ER9V

组合电池

