



# 14500 low-temperature battery cell

Are ultraxel batteries low temperature?

UltraXel batteries are engineered with low-temperature-resistant electrolytes and structural designs that ensure efficient discharge even in sub-zero conditions. Certain models can operate continuously at -40°C.

Are UltraXel batteries safe for use in high-temperature environments?

What is a high-temperature lithium battery?

Global supplier of high-temperature and low-temperature lithium batteries, suitable for temperatures ranging from -40°C to +85°C. UltraXel provides a diverse range of high-performance lithium batteries designed to operate reliably across extreme temperatures.

What is a LST 14500 cell?

under the file number MH 12802. The LST 14500 cell complies with the requirements of the EN 50020 "Intrinsic Safety" Standard (temperature Class T5) which is a prerequisite for integration within devices due to operate in potentially explosive atmospheres. (In Europe, such devices need to be compliant with the Directive 94/9/EC, commonly known

What type of batteries does ultraxel offer?

UltraXel supplies wide-temperature lithium batteries (-40°C to +85°C), including 18650 & 14500 cells, for industrial, medical, and outdoor applications.

The company specializes in providing domestic and foreign users with wide-temperature lithium batteries, high-temperature lithium batteries, and low-temperature lithium batteries.

The LST 14500 cell complies with the UN\*\* and IEC\*\*\* tests which consist of storage at +20°C for at least 6 hours under an absolute pressure of 11.6 kPa (? 15,240 m altitude) without any ...

Preferably for moderate temperature uses (i.e. indoor applications with occasional T excursions up to +70°C) requesting superior voltage response and operating life.

The readings may vary according to the pulse characteristics, the temperature, and the cell's previous history. Fitting the cell with a capacitor may be recommended in severe conditions.

3.6 V Primary lithium - thionyl chloride (Li-SOCl<sub>2</sub>) High Capacity AA-size cell For applications with continuous currents up to 25 mA, possibly combined with pulsing and exposure to ...

Long-term research in high-performance electrode materials, explosion-proof batteries, and low-temperature batteries, with a solid scientific research background and rich practical experience. ...

High energy density 3.6 V AA-size bobbin cell Saft's LS 14500 cell is ideally suited for long-term applications (typically from 5 to 20+ years), featuring low base currents and periodic pulses.



## 14500 low-temperature battery cell

Cold weather batteries are designed to withstand low temperatures and maintain power. Our cutting - edge technology not only improves the charging efficiency at low temperatures but also ...

We are a professional battery manufacturer for 15 years for developing and researching and production. The total area of our factory is about 8,000 square meters.

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