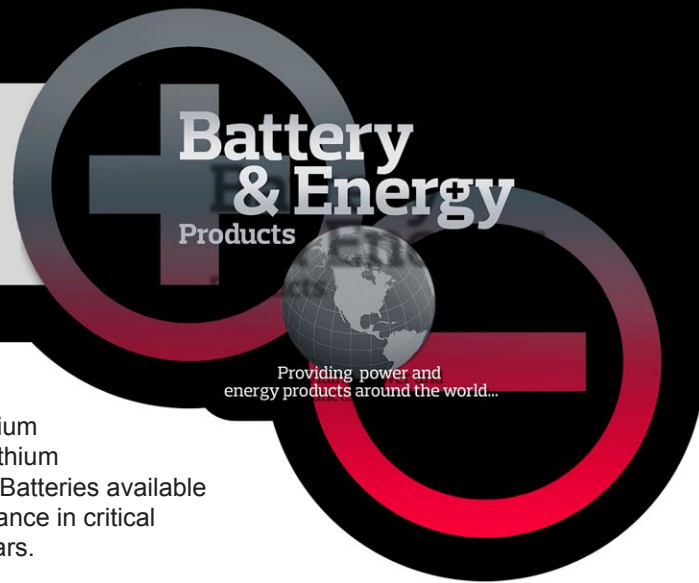


Toll Pass Applications



Ultralife batteries are currently in use in toll passes in China and Portugal.

Ultralife Corporation offers the highest performing Lithium Manganese Dioxide and Lithium Thionyl Chloride Cells and Batteries available today, with proven performance in critical applications for over 20 years.

The Ultralife Lithium Thionyl Chloride [Li-SOCl₂] line of cells bring the renown Ultralife dependability to a unique chemistry and family of sizes that are ideal for the demanding service life and environmental requirements of Toll Pass devices.

Our line expansion positions Ultralife uniquely to supply cells and batteries for your power and energy needs. With batteries currently in Toll Passes in various places in the world, Ultralife has demonstrated application experience and already has an thorough understanding of the requirements.

Ultralife products are manufactured under exacting standards including good manufacturing practices and full compliance to ISO 9001 and ISO14000, as such Ultralife remains dedicated to continuous improvement.

Ultralife has the experience you need delivering trusted non-rechargeable cells and batteries for your Toll Pass requirements making us your preferred partner.

For toll pass active tag applications, add longer life with Ultralife's cells and batteries, which typically last for more than seven years when using 1/2 AA-size batteries. These batteries support high continuous discharge current (50mA) and high pulse current (100mA) for transmission.



Non-Rechargeable Cells & Batteries Lithium Manganese Dioxide (LiMnO₂) Chemistry

- Non-hazardous / Non-toxic
- Non-pressurized chemistry
- Wide operating temperature
- Extremely thin form factor
- Various footprints in prismatic and thin cell sizes
- Capacity proportional to size and thickness
- Flat tabs for leads are solderable or weldable
- High discharge rate capability
- UL listed
- 3.0V nominal voltage

Non-Rechargeable Cells & Batteries Thionyl Chloride (LiSOCl₂) Chemistry

- Cylindrical sizes and coin cells
- Available with various terminations including standard flat ends, axial leads, transverse leads and leads for surface mounting
- Very wide operating temperature range
- Excellent energy density and low rate capability
- Convenient and popular form factors from 1/2 AA to D cells
- UL listed
- 3.6V nominal voltage



For more information, visit:
www.ultralifecorp.com
 315-332-7100
sales@ulbi.com

LiMnO₂ U10004 Thin Cell

- Nominal voltage: 3.0V
- Nominal capacity: 1200mAh
- Long shelf life
- Low self-discharge rate
- Wide operating temperature range
- Typical applications: toll tags, "smart" security cards, asset tracking tags, bank theft tracking systems, electronics record tracking, RFID



LiMnO₂ CP224143 Thin Cell

- Nominal voltage: 3.0V
- Nominal capacity: 800mAh
- Thin at 2.2mm
- Long shelf life
- Wide operating temperature range
- Typical applications: "smart" security cards, asset tracking tags, bank theft tracking systems, electronics record tracking, medical devices, RFID



LiMnO₂ CP502537 Thin Cell

- Nominal voltage: 3.0V
- Nominal capacity: 1200mAh
- Long shelf life
- Low self-discharge rate
- Wide operating temperature range
- Typical applications: "smart" security cards, asset tracking tags, bank theft tracking systems, electronics record tracking, medical devices, RFID



LiSOCl₂ ER2450

- Bobbin Cell
- Nominal voltage: 3.6V
- Nominal capacity: 500mAh
- High and stable operating voltage
- Superior drain capability
- Typical applications: military and other radios, alarm and security systems, beacons and emergency location transmitters, metering systems, GPS, LED lighting, TPMS, sonobuoys



LiSOCl₂ UHE-ER14505

- AA-size Bobbin Cell
- Nominal voltage: 3.6V
- Nominal capacity: 2400mAh
- High and stable operating voltage
- Superior drain capability
- Low self-discharge rate
- Typical applications: utility metering devices & systems, alarm & security systems, AMR, telematics, GPS tracking



LiSOCl₂ ER14250

- 1/2 AA-size Bobbin Cell
- Nominal voltage: 3.6V
- Nominal capacity: 1200mAh
- High and stable operating voltage
- Superior drain capability
- Low self-discharge rate
- Typical applications: toll tags, utility metering devices & systems, alarm & security systems, telematics, GPS

