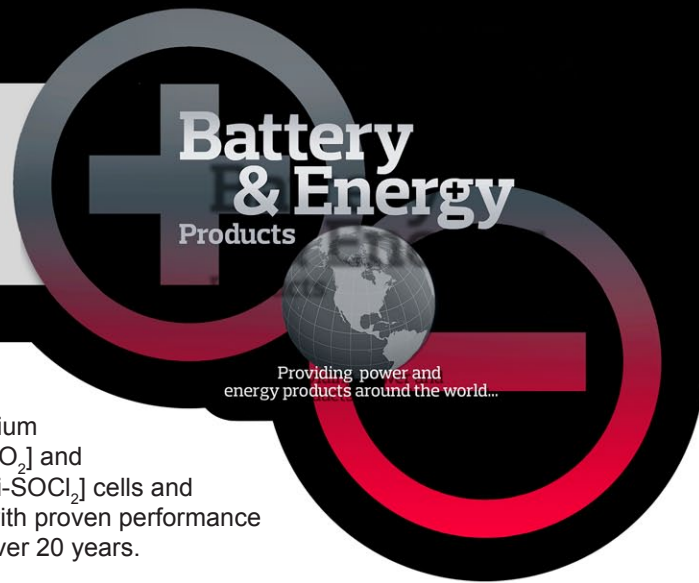


Metering Applications



Ultralife Corporation offers the highest performing Lithium Manganese Dioxide [Li-MnO₂] and Lithium Thionyl Chloride [Li-SOCl₂] cells and batteries available today, with proven performance in critical applications for over 20 years.

Ultralife's Li-MnO₂ line of cells and batteries are available in a variety of cylindrical sizes from ½ AA, C short and long, and D size cylindrical cells. These cells provide industry leading capacity and carry the Ultralife reputation for rugged construction, long lasting and dependable quality.

The Ultralife Li-SOCl₂ line of cells are available in coin sizes and in a variety of cylindrical sizes from ½ AA, B short and long, to D size cylindrical cells. These cells provide unprecedented rate capability and still deliver high capacity. This eliminates the need for super caps to be combined with bobbin cells just to get rate.

Ultralife is unique in offering both Li-MnO₂ and Li-SOCl₂ chemistries in a family of sizes that are ideal for numerous metering applications. Ultralife can also configure multi-cell packs for specific applications.

Our line expansion positions Ultralife uniquely to supply cells and batteries for all your power and energy needs. With over 20 years of demanding application experience, good manufacturing practices and full compliance to ISO 9001 and ISO14000 standards, Ultralife remains dedicated to continuous improvement. Ultralife has the experience you need delivering trusted non-rechargeable cells and batteries for long lasting reliable metering applications making us your preferred partner. Let Ultralife work for you to provide the best and most economical solution for your products.

For smart metering applications, add longer life with Ultralife's cells and batteries, which typically last for more than ten years. These batteries support high continuous discharge current and high pulse current for wireless or PLC bidirectional transmission.

Using Ultralife long lasting Li-MnO₂ chemistry cells in remote meters provides the longest service life possible.



Non-Rechargeable Cells & Batteries Lithium Manganese Dioxide (LiMnO ₂) Chemistry	Non-Rechargeable Cells & Batteries Thionyl Chloride (LiSOCl ₂) Chemistry
<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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: "smart" security cards, asset tracking tags, bank theft tracking systems, electronics record tracking, medical devices, 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



UBBL20 & UBBL23

- Nominal voltage: 7.2V and 3.6V
- Nominal capacity: 2400mAh and 4800mAh
- Energy: 17.28Wh
- Part of the standard pack series for off-the-shelf convenience
- Meets all UN transportation tests
- Available with wire or connector terminals



UBBL21 & UBBL24

- Nominal voltage: 10.8V and 7.2V
- Nominal capacity: 2400mAh and 4800mAh
- Energy: 25.92Wh and 34.56Wh
- Part of the standard pack series for off-the-shelf convenience
- Meets all UN transportation tests
- Available with wire or connector terminals



UBBL25 & UBBL26

- Nominal voltage: 10.8V and 14.4V
- Nominal capacity: 4800mAh
- Energy: 51.84Wh and 69.12Wh
- Part of the standard pack series for off-the-shelf convenience
- Meets all UN transportation tests
- Available with wire or connector terminals



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-ER14250

- 1/2 AA-size Bobbin Cell
- Nominal voltage: 3.6V
- Nominal capacity: 1200mAh
- Continuous current: 50mA, pulsed current 100mA
- High and stable operating voltage
- Typical applications: utility metering devices & systems, alarm & security systems, AMR, telematics, GPS tracking



LiSOCl₂ ER34615

- D-size Bobbin Cell
- Nominal voltage: 3.6V
- Nominal capacity: 19000mAh
- Continuous current: 200mA, pulsed current 400mA
- High and stable operating voltage
- Typical applications: utility metering devices & systems, alarm & security systems, GPS, LED lighting



LiSOCl₂ ER34615M

- D-size Spiral Cell
- Nominal voltage: 3.6V
- Nominal capacity: 14500mAh
- Continuous current: 2000mA, pulsed current 3000mA
- High and stable operating voltage
- Typical applications: utility metering devices & systems, alarm & security systems, GPS, LED lighting

