

NEXT-GEN THIONYL CHLORIDE CELLS

For past, present and future commercial and industrial applications:



- ✓ Utility metering
- ✓ Asset tracking
- ✓ Internet-of-things
- ✓ Medical devices
- ✓ Military technology
- ✓ Security devices
- ✓ Radio communications
- ✓ Pulse discharge
- ✓ LED lighting
- ✓ GPS and transmitters
- ✓ Sensors
- and many more...

WHY CHOOSE ULTRALIFE'S CELLS?

Ultralife's 'Generation X' Li/SOCl₂ cells offer up to **30% more capacity performance[^]** and **more than 400Whr/Kg**:



[^] Average across temperatures vs. competition

- ✓ Off-the-shelf availability of low quantities and short lead times for volume quantities of production units[□]
- ✓ Cell sizes and rates to meet many application needs
- ✓ 100% battery use case fit confidence
- ✓ Spiral and bobbin versions available

[□] Location dependent

- ✓ Capability to add ultracapacitors to support high-rate applications
- ✓ Competitive prices for quality cells
- ✓ ISO 9001 & ISO 13485 certified quality development and manufacturing
- ✓ UN 38.3 transportation certified
- ✓ UL 1642 safety certified

Check product specific certifications in the datasheets

NEXT-GEN ENHANCEMENTS

- ✓ High and stable operating voltage
- ✓ Superior current capabilities
- ✓ Low self-discharge rate (see page 2)
- ✓ Improved cell-to-cell consistency
- ✓ Better horizontal discharge performance

ER GENERATION X2 CELLS

Added safety vent for use in gas metering:



- ✓ Fuse to increase safety by preventing over-heating due to external over current or short circuit
- ✓ Parallel bypass diode to increase safety and reliability in series connected multi-cell packs

GLOBAL NETWORK OF COMPANIES

ULTRALIFE CORPORATION (GLOBAL)
www.ultralifecorp.com
EXCELL BATTERY (USA/CANADA)
www.excellbattery.com
SOUTHWEST ELECTRONIC ENERGY (USA)
www.swe.com

Scan the QR-Code to view the product datasheets & inquire:



ELECTROCHEM (USA)
www.electrochemsolutions.com
ACCUTRONICS LTD (UK/EUROPE)
www.accutronics.co.uk
ABLE (CHINA)
www.ultralifechina.com

12 NEXT-GEN PRODUCTS TO CHOOSE FROM

1/2AA SIZE BOBBIN



- ✓ 1.2Ah, 4.32Wh, 10.0g
- ✓ Less than 2% self-discharge rate*
- ✓ Short endcap available if needed

AA SIZE BOBBIN



- ✓ 2.4Ah, 8.8Wh, 18.0g
- ✓ Less than 1% self-discharge rate*
- ✓ Short endcap available if needed

AA SIZE SPIRAL



- ✓ 2.0Ah, 7.3Wh, 19.0g
- ✓ Less than 2% self-discharge rate*
- ✓ High rate cell with PTC for safety

A SIZE SPIRAL



- ✓ 3.0Ah, 10.95Wh, 35.0g
- ✓ Less than 2% self-discharge rate*
- ✓ High rate cell with PTC for safety

C SIZE BOBBIN



- ✓ 7.5Ah, 27.4Wh, 56.0g
- ✓ Less than 1% self-discharge rate*
- ✓ Short endcap available if needed

C SIZE SPIRAL



- ✓ 6.5Ah, 23.7Wh, 58.0g
- ✓ Less than 2% self-discharge rate*
- ✓ High rate cell with PTC for safety

D SIZE BOBBIN



- ✓ 19.0Ah, 105.0g, ATEX compliant
- ✓ Less than 1% self-discharge rate*
- ✓ Short endcap available if needed

D SIZE SPIRAL



- ✓ 14.5Ah, 52.9Wh, 108.0g
- ✓ Less than 2% self-discharge rate*
- ✓ High rate cell with PTC for safety

C SIZE BOBBIN (X2)



- ✓ 7.5Ah, 27.38Wh, 52.0g
- ✓ Less than 1% self-discharge rate*
- ✓ Vent for gas metering

C SIZE SPIRAL (X2)



- ✓ 6.0Ah, 21.9Wh, 60.0g
- ✓ Less than 2% self-discharge rate*
- ✓ Vent for gas metering

D SIZE BOBBIN (X2)



- ✓ 16.5Ah, 60.23Wh, 105.0g
- ✓ Less than 1% self-discharge rate*
- ✓ Vent for gas metering

D SIZE SPIRAL (X2)



- ✓ 14.0Ah, 51.1Wh, 106.0g
- ✓ Less than 2% self-discharge rate*
- ✓ Vent for gas metering