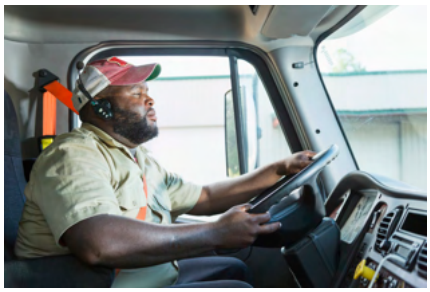
Batteries for Asset Tracking

High quality, performance, and reliability



Global battery manufacturer, ULTRALIFE CORPORATION, has over 30 years' experience of manufacturing portable power solutions for a wealth of applications, incl. asset tracking and monitoring for:

- Logistics & Transportation (incl. High-Value Cargo)
- Food & Beverage (incl. Agriculture)
- Retail (incl. e-Commerce)
- Construction
- Life Sciences & Healthcare (incl. Cold Chain)
- Education
- Oil & Gas
- Government & Defense
- Hospitality

ISO 13485 and ISO 9001 registered facilities produce top quality products, utilizing robust manufacturing processes and focusing on continuous improvement, decreasing quality and warranty issues.

Non-Rechargeable Lithium Cells & Batteries Manganese Dioxide (+ Carbon Monofluoride Hybrid) / Thionyl Chloride	Rechargeable Batteries Lithium-ion / Lithium Iron Phosphate
• High Energy Density • Long Run-time • Long Shelf Life • High Discharge Rate Capability	• High Energy Density Available • State-of-Charge, State-of-Health • Many Communication Protocols Offered • Integrated Charging Capability • Chargers Also Available

Ultralife manufacture off-the-shelf battery packs and cells (see page 2), plus our in-house mechanical and electrical engineers can design, build, and test custom solutions (example images shown) that are tailor-made to your device in terms of:

- Size and Weight
- Colour and Branding
- Cell Chemistry
- Energy Required
- Temperature Performance
- Rate Capability
- Cycle Life
- Comms. Standard (Optional)

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NON-RECHARGEABLE

Thin Cell®

- Average Voltage: 3.0V
- Energy: up to 5.7Wh*
- Thickness: as thin as 1.1mm*
- Available in 9 standard sizes
- Custom sizes upon request

9 Volt

- Average Voltage: 9.0V
- 50% more energy vs. key competitor
- World's longest lasting
- Over 100m sold
- 18% lighter than average alkaline 9V

CR123A

- Average Voltage: 3.0V
- Energy: up to 6.0Wh*
- High pulse discharge of 3,000mA (UB123A)
- Ideal for high-drain devices

Automobile Telematics

- Average Voltage: 16.4V
- Energy: 91.8Wh
- Tested per automotive requirements
- Optional discharge device for safe disposal of old battery

Military Non-Rechargeable

- Average Voltage: 3.0 to 12.0V*
- Energy: 1.5 to 14.4Wh*
- No voltage delay
- Hermetically sealed Ni-plated steel can

ER Cylindrical

- Average Voltage: 3.6V
- ≤30% capacity performance (avg. across temperatures vs. competition)*
- Available in spiral or bobbin (sizes from Sub AAA to DD)

PMX Cylindrical

- Average Voltage: 3.9V
- Extended temperatures capabilities from -20°C to +165°C
- Available in spiral (sizes from ½ AA to DD)

XR Cylindrical

- Average Voltage: 3.0V
- Energy: up to 48.0Wh*
- High capacity and long shelf-life
- No voltage delay
- CR123A-size cell has 2.0Ah capacity

RECHARGEABLE PACKS

Entellion™

- Average Voltage: 3.7 to 28.8V*
- Energy: 4.2 to 92.2Wh*
- Easy to transport (<100Wh)
- Housed in tough, plastic casing
- Embeddable or hot-swappable*

Shrink-Wrapped

- Average Voltage: 3.6 to 14.8V*
- Energy: 3.3 to 77.0Wh*
- Easy to transport (<100Wh)
- Plastic wrapping with a range of connectors (e.g. flying leads)

Background colour represents chemistry used:

*product dependent ^average across temperatures

LiMnO2 | Li/SOCl2 | Li/SO_2Cl_2 | Hybrid (LiCFx/MnO2) | Li-ion