

Medical Applications

Battery & Energy Products



Global battery manufacturer, ULTRALIFE CORPORATION, brings over 30 years' experience to offer high performing portable power solutions to the medical and healthcare sector.

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



ULTRALIFE batteries are used in the following medical devices and more:

- Powered Medical Carts & Beds
- Medical Delivery Pumps & Devices
- Portable Ultrasound
- CPAP/BIPAP Machines
- Automatic External Defibrillators
- Remote Patient Monitoring
- Powered Surgical Drills
- Surgical Headlights
- TENs Units
- Insulin Pump Patches
- Continuous Glucose Monitors
- RTLS / RFID Tags and Sensors
- Handheld Dental Devices
- Digital X-ray Imaging
- Blood Analyzers



Non-Rechargeable Lithium Cells & Batteries Manganese Dioxide (+ Carbon Monofluoride Hybrid) / Thionyl Chloride	Rechargeable Batteries Lithium-ion / Lithium Iron Phosphate
<ul style="list-style-type: none"> • High Energy Density • Long Run-time • Long Shelf Life • High Discharge Rate Capability 	<ul style="list-style-type: none"> • 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 chargers (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)



NON-RECHARGEABLE

Thin Cell®



- Average Voltage: 3.0V
- Energy: up to 5.7Wh
- Thickness: as thin as 1.1mm
- Available in 8 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)
- High capacity of 2.0Ah (XR123A)

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)

RECHARGEABLE

Hard Packs



- 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*

Soft Packs



- 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)

UBI-2590s



- Voltage: 15 or 30V mode (UBBL09-01 has 12 or 24V modes)
- Energy: 250Wh (for most products)
- Smart and non-smart options
- Some meet MIL-PRF-32383/3(CR)

SLA Replacement



- Average Voltage: 6.4 to 25.6V*
- Energy: 34.6 to 1,382.4Wh*
- 3x lighter than SLA of same capacity
- Around 5x greater service life
- Works with 2 stage SLA charger

Cart Power System



- Input Voltage: 100-240VAC 50/60Hz
- Output Voltage: 120VAC 60Hz
- Can use 1x or 2x 276Wh Batteries
- Powers devices up to 150W


Chargers & Cables



- Cart Power System can use a wall or desk mount charger
- Separate USB-C device charger available for pole/mobile carts
- Chargers & cables for Hard Packs etc.

Background colour represents chemistry used:

*product dependent

 Lithium Manganese Dioxide  Lithium Thionyl Chloride  Lithium-ion  Lithium Iron Phosphate