

Defense & Security Applications

Portable Power and Communications Systems



Global manufacturer, ULTRALIFE CORPORATION, brings over 30 years' experience to offer high performing portable power solutions and communications systems to the defense and security sectors.

ISO 9001 registered facilities produce top quality products for military, law enforcement, and recreational shooting, utilizing robust manufacturing processes and focusing on continuous improvement, decreasing quality and warranty issues for your customers.



ULTRALIFE provide the following:

For applications including:

- Body-Worn Power
- Primary and Secondary Battery Packs
- Primary Single-Cell Batteries
- Back-up Power
- Communications Systems

- Radios & Communication
- Lighting & Sight Equipment
- Detectors & Imaging
- Tracking & Surveillance
- Energy Storage/Scavenging
- Robotics & AUVs/UUVs
- Rugged Portable Electronics



BATTERY & ENERGY DIVISION

- Wide range of rechargeable and non-rechargeable power
- Chargers for rechargeable battery packs
- Built to withstand harsh environments (incl. military)
- Designed to a high level of reliability and safety
- Custom packs and chargers also available

COMMUNICATIONS SYSTEMS DIVISION

- Communications equipment for defense and law enforcement
- From amplifiers to radio mounts and Edge servers
- Handheld and vehicular solutions
- Factor in concerns of size, weight, and power

CUSTOM SOLUTIONS

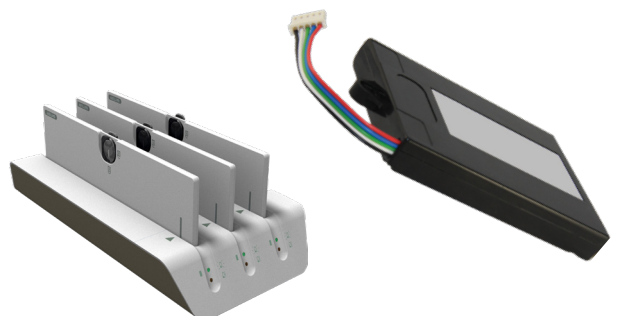
BATTERY & ENERGY DIVISION

Batteries that match your:

- Size and weight needs
- Colour and branding
- Performance goals
- Required safety standards

Chargers can be desktop or embeddable, single-bay or multi-bay, and match your:

- Size and weight needs
- Colour and branding



NON-RECHARGEABLE (OFF-THE-SHELF) INCLUDES:

UB123A



- Capacity: 1.5Ah
- Energy: 4.5Wh
- Max. Pulse Discharge: $\leq 3000\text{mA}$
- Higher power helps devices produce more light vs. most CR123As

XR123A



- Capacity: 2.1Ah
- Energy: 5.8Wh
- Max. Pulse Discharge: $\leq 2500\text{mA}$
- Lasts longer in low power devices (such as night vision)

RECHARGEABLE PACKS (OFF-THE-SHELF) INCLUDES:

UBBL72 (Conformal)



- Energy: 159Wh
- Weight: 1.18Kg
- Formed of 20 small rectangles
- Integrated digital display
- USB-A connector for charging devices

Land Warrior Range



- Voltage: 15.2 to 16.8V*
- Energy: up to 196Wh*
- Designed to reduce weight carried by dismounted soldiers
- 1 or 2 batteries power many devices
- Chargers and cables are available

UBI-2590 Range



- Voltage: 15 or 30V modes (UBBL09-01 has 12 or 24V modes)
- Energy: up to 288Wh*
- Certified to MIL-PRF-32383/3(CR)*
- Chargers and cables are available

SeaSafe® Subsea Range



- 4x longer run time (vs. SLA)
- 100% condition based monitoring
- 6,000m pressure tolerant tested
- Options for direct-in-water, in a PBOF case, or in a pressure vessel

COMMUNICATIONS SYSTEMS (OFF-THE-SHELF) INCLUDES:

A-2303 Amplifier



- Frequency Range 30-512 MHz
- RF output power: 7-20 Watts
- Efficient design drawing ~2.25 amps
- Excellent thermal performance
- Smallest, lightest RF amplifier

MRC-UVA-V1 Mount



- Input Voltage: 10-40VDC
- Allow radios to be fixed inside a vehicle or base station
- Quickly removed ('jerk-and-run')
- Designed for shock and vibration

A-2206 Amplifier



- Frequency Range 30-512 MHz
- RF output power: 20 Watts
- Supports TSM Wideband MANET waveforms
- Can be remotely controlled for programming and maintenance

Crescent Server



- Body-worn, battery-powered edge computer server
- Processes data locally and quickly
- Can gather and process data from GPS trackers, cameras, and more

*certain models