

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 server racks
- Handheld and vehicular solutions
- Factor in concerns of size, weight, and power

CUSTOM SOLUTIONS

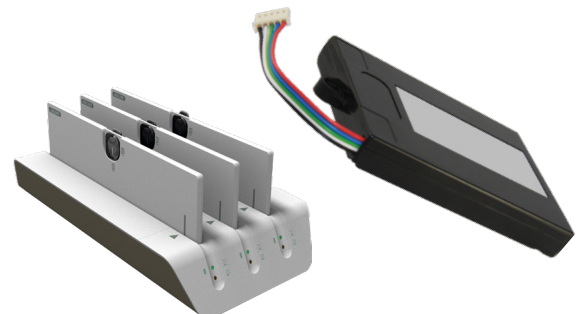
BATTERY & ENERGY DIVISION

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



Defense & Security Capabilities

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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

UBBL35 (Conformal)



- Energy: 108Wh
- Weight: 0.96Kg
- Approximately 5/8" thick
- State-of-charge indicator
- Internal protection circuitry

UBI-2590 Range



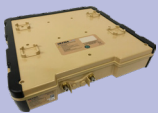
- Voltage: 15 or 30V modes (UBBL09-01 has 12 or 24V modes)
- Energy: up to 288Wh*
- Certified to MIL-PRF-32383/3(CR)*
- Commercial versions available

Land Warrior Range



- Voltage: 15.2 to 16.8V*
- Energy: up to 196Wh*
- Designed to reduce weight carried by dismounted soldiers
- Using a power distribution manager, 1 or 2 batteries power many devices

URB0023-01 (Stackable)



- Energy: 1.65kWh
- Stackable up to 6 units high
- Designed to fit in 19 inch rack
- Over 5 years of operation at 1 cycle per day

CHARGERS



- Charge smart 2590s automatically to 30% for shipment by air with UCH0057-01 desktop charger
- Tactical chargers with durable cases available for 2590s/Land Warrior

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