

The Epsilor logo features the word "Epsilor" in a bold, blue, sans-serif font. To the right of the text is a stylized graphic element consisting of two overlapping triangles, one blue and one green, pointing towards the top right.The background of the top half of the page is a photograph of a military operation. In the foreground, a soldier in full combat gear is seen from the side, holding a rifle. In the background, a military helicopter is hovering over a field, and other soldiers are visible near some equipment. The scene is set in a rural area with a large, textured wall on the right.

**Epsilor**

## ***MILITARY BATTERIES AND CHARGERS***

The digital revolution introduced new types of military electronics, providing an essential force multiplier to warfighters. Critical yet dependent on battery power, the C<sup>4</sup>ISTAR, navigation, situational awareness and force protection gear turn a logistical issue into an operational challenge.

Epsilor's rechargeable batteries and chargers empower military forces worldwide, assisting them to turn this challenge into an operational advantage.

***POWER TO DEFEND***

[www.epsilor.com](http://www.epsilor.com)

# TACTICAL ENERGY INDEPENDENCE



Epsilor's military batteries and chargers are part of the company's Integrated Power Management Logistic and Operational Concept that aims to provide the tactical unit with full mission energy independence

## MILITARY RECHARGEABLE BATTERIES

Epsilor provides a wide range of rechargeable Li-Ion batteries supporting standard, conformal and custom designed models. With the highest available power and energy densities, Epsilor rechargeable batteries extend the operation of electronic systems for many hours. Integral battery management systems maintain each battery at top operational condition throughout its life cycle. While indicating state of charge, and keeping track of battery health and charging cycles, safety devices also monitor operational conditions, enabling safe operations even in the most extreme environmental conditions.

- Applications: handheld and manpack radios, navigation gear, SATCOM terminals, EO equipment, target designators, tactical computers, man portable robots, guided weapons, etc.
- Standard batteries: BB-2590/U, PRC-148, PRC-152, MR-2791, MR-2800, etc.
- Custom and conformal batteries tailored to customers' requirements
- Military standards: MIL-STD-810, MIL-STD-461
- Industrial standards: ISO 9001:2015, AS9100D, UN38.3

## WEARABLE

## STANDARD BATTERIES



## CUSTOM BATTERIES





## ***TACTICAL AND DEPOT CHARGERS***

Epsilor offers an array of battery chargers enabling military users to sustain the operational tempo of combat forces, efficiently and safely recharging and supporting different battery types. Epsilor's tactical chargers are available in dedicated or universal, multi-channel, portable or mobile variants. High capacity chargers are also available, supporting hundreds of simultaneous channels. Such high capacity chargers are field deployable, powered from field generators and vehicles, or used in depot-based facilities.

- Dedicated: single and multi-channel chargers tailored for specific battery models: BB-2590/U, MR-2791, MR-2800, etc.
- Universal: multi-channel chargers supporting multiple battery types
- Special battery combinations: customized chargers that support groups of batteries used by specific units or with specific systems
- Wearable: charges multiple devices from a single source, on-the-move, harvesting energy from any available power source
- Vehicular: packed in vehicle configuration cases these chargers are designed for on-the-move fast charging. As all Epsilor's tactical equipment, these chargers meet MIL-STD-1275.
- High capacity mass charger: rack-mount chargers for depot or field use, provide simultaneous charging of hundreds of batteries per hour, supporting the company, battalion level and above
- Adaptable power: Chargers can connect to the electrical grid, generator, vehicles, renewable power source, etc.
- Data connectivity: Chargers are connected online to share logistical data on all power sources available to the unit (Optional)
- Military standards: MIL-STD-810, MIL-STD-461, MIL-STD-1275
- Industrial standards: ISO 9001:2015, AS9100D, UN38.3

## MAIN ADVANTAGES

- Superior electrochemistry: Epsilor uses the most advanced high-density electrochemistry available in the market
- Smart BMS: optimizes battery power management, performs health checks and protects the battery from overcharging, undercharging, short circuit, over heat, etc.
- Advanced features as a standard: all Epsilor batteries are equipped with state of charge indicators, smart protection systems, charging and performance loggers and communication features
- All Epsilor chargers are compliant with military and civil electric standards
- Epsilor equipment has a worldwide proven operational record in extreme environmental conditions



## ABOUT EPSILOR

Epsilor is the Defense and Aerospace activity of Epsilor-Electric Fuel Ltd. which forms part of Arotech Corporation's Power Systems Division. The division operates R&D and manufacturing facilities in the United States and Israel.

Epsilor-Electric Fuel is a recognized world leader in the development and production of portable power products for the defense, aerospace, marine, medical and automotive industries. The product range includes batteries in a wide variety of electrochemistries, including Lithium Ion, Lithium Polymer, Nickel Metal Hydride and Zinc Air.

## HOW CAN WE HELP YOU? CONTACT EPSILOR AT:

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