

Military Rechargeable Battery Market Projected to Reach \$2.06 Billion with 7.7% CAGR by 2029

*The Business Research Company's
Military Rechargeable Battery Global
Market Report 2025 – Market Size,
Trends, And Forecast 2025-2034*

LONDON, GREATER LONDON, UNITED
KINGDOM, August 27, 2025

/EINPresswire.com/ -- What Is The
Expected Cagr For The [Military
Rechargeable Battery Market Through 2025?](#)

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The market size for military rechargeable batteries has seen significant growth in the last few years. It is projected to expand from \$1.42 billion in 2024 to \$1.53 billion in 2025, depicting a compound annual growth rate (CAGR) of 8.1%. Factors contributing to the growth during the

historical period include an increased demand for portable electronic devices, the evolution of military modernization programs, a growing dependence on unmanned systems, expanding defense operations in remote regions, and a rise in the acceptance of electric and hybrid military vehicles.

Over the next few years, the military rechargeable battery market is predicted to experience a robust growth, expanding to \$2.06 billion by 2029 with a CAGR of 7.7%. This growth during the forecast period is driven by factors

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such as an increased emphasis on technologies used by soldiers, escalating investments towards battery-powered battlefield gadgets, high demand for sustainable and intelligent power solutions, mounting cybersecurity issues necessitating reliable energy infrastructure, and a rise in asymmetric and mobile warfare operations. The forecast period will also see major trends like improvements in battery chemistry, incorporation of intelligent battery management systems, breakthroughs in solid-state battery technology, the introduction of modular battery designs, and progress in rapid charging technologies.

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What Are The Key Factors Driving [Growth In The Military Rechargeable Battery Market?](#)

The surge in the usage of unmanned aerial vehicles (UAVs) is projected to drive the military rechargeable battery market's expansion in the future. UAVs are aircraft that operate without an onboard human pilot and are remotely or autonomously controlled for a myriad of military, surveillance, and commercial use. Get 30% Off All Global Market Reports With Code ONLINE30 – Stay Ahead Of Trade Shifts, Macroeconomic Trends, And Industry Disruptors. The escalating deployment of these UAVs is due to their ability to undertake risky missions without jeopardizing human lives, especially in defense and reconnaissance scenarios. These military rechargeable batteries enhance the functioning of UAVs by providing reliable, lightweight, and enduring energy solutions for prolonged flight and mission success. For instance, in May 2024, according to the International Trade Administration, a US government agency, there was a 40% increase in globally commercially operated drones between 2022 and 2030. Consequently, the intensified usage of unmanned aerial vehicles propels the military rechargeable battery market's growth.

What Are The Top Players Operating In The Military Rechargeable Battery Market?

Major players in the Military Rechargeable Battery Global Market Report 2025 include:

- Exide Industries Limited
- Teledyne Technologies Inc.
- GS Yuasa Corporation
- EnerSys
- Saft Groupe S.A.
- Inventus Power Inc.
- EaglePicher Technologies LLC
- Tuthill Corporation
- Ultralife Corporation
- Arotech Corporation

What Are The Major Trends That Will Shape The Military Rechargeable Battery Market In The Future?

Leading corporations in the military rechargeable battery market are channeling their energy into creating novel solutions like high-energy-density lithium-ion rechargeable batteries. These are in response to the steadily growing demand for lightweight, high-performance power sources that are apt for modern military systems and portable equipment for soldiers. Enhanced for delivering increased energy storage in a comparatively lightweight and smaller form, high-energy-density lithium-ion rechargeable batteries significantly boost the efficiency and longevity of devices and vehicles under space and weight constraints. For example, Epsilon-Electric Fuel Ltd., a mobile energy business headquartered in Israel, introduced the NATO 6T battery family upgrade in May 2022. This new generation of rechargeable lithium-ion batteries powers an array of tactical systems and armored vehicles. With a higher energy density, an integrated intelligent

battery management system (BMS), and compliance with MIL-PRF-32565B performance standards, this battery proves to be a trustworthy, modifiable solution for future military platforms.

Comprehensive Segment-Wise Insights Into The Military Rechargeable Battery Market

The military rechargeable battery market covered in this report is segmented –

- 1) By Battery Chemistry: Lithium-Ion Batteries, Nickel-Cadmium Batteries, Nickel-Metal Hydride Batteries, Lead-Acid Batteries, Sodium-Ion Batteries
- 2) By Form Factor: Standard Size Batteries, Custom Or Specialized Designs, Modular Battery Packs, Portable Power Devices
- 3) By Capacity: Below 1000 mAh, 1000 mAh to 5000 mAh, 5000 mAh to 10000 mAh, Above 10000 mAh
- 4) By Application: Communication Systems, Surveillance Equipment, Unmanned Aerial Vehicles (UAVs), Ground Vehicles, Weapon Systems
- 5) By End-Use: Army, Navy, Air Force, Special Forces, Defense Contractors

Subsegments:

- 1) By Lithium-Ion Batteries: Lithium Cobalt Oxide (Lco), Lithium Manganese Oxide (Lmo), Lithium Iron Phosphate (Lfp)
- 2) By Nickel-Cadmium Batteries: Vented Cells, Sintered Plate, Sealed Cells
- 3) By Nickel-Metal Hydride Batteries: Cylindrical Cells, Flat Cells, Prismatic Cells
- 4) By Lead-Acid Batteries: Valve-Regulated Lead-Acid (Vrla), Gel Cells, Flooded Lead-Acid
- 5) By Sodium-Ion Batteries: Prussian Blue Analogue (Pba)-Based, Hard Carbon Anode-Based, Layered Oxide-Based

View the full military rechargeable battery market report:

<https://www.thebusinessresearchcompany.com/report/military-rechargeable-battery-global-market-report>

Global Military Rechargeable Battery Market - Regional Insights

In 2024, North America led the global military rechargeable battery market. It's anticipated that Asia-Pacific will experience the most rapid growth in the coming year. The report on the military rechargeable battery market encompasses regions including Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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