

Military Power Solutions Market In 2029

The Business Research Company's Military Power Solutions Global Market Report 2025 – Market Size, Trends, And Global Forecast 2025-2034

LONDON, GREATER LONDON, UNITED KINGDOM, January 6, 2026

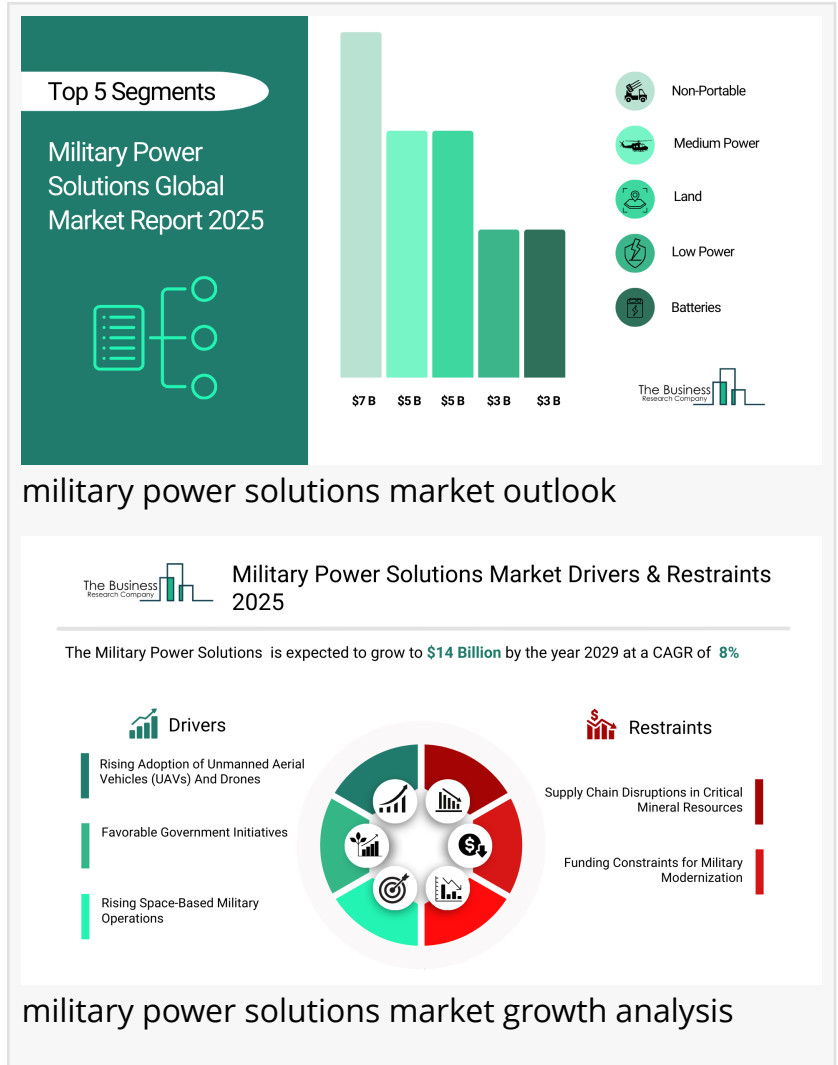
[/EINPresswire.com/](https://EINPresswire.com/) -- [Military Power Solutions Market](#) to Surpass 14 billion in 2029. In comparison, the Power Generation, Transmission And Control Equipment market, which is considered as its parent market, is expected to be approximately \$652 billion by 2029, with Military Power Solutions to represent around 2% of the parent market. Within the broader Electrical And Electronics industry, which is expected to be \$5,240 billion by 2029, the Military Power Solutions market is estimated to account for nearly 0.3% of the total market value.

Which Will Be the Biggest Region in the Military Power Solutions Market in 2029

North America will be the largest region in the military power solutions market in 2029, valued at \$4,718 million. The market is expected to grow from \$3,497 million in 2024 at a compound annual growth rate (CAGR) of 6%. The strong growth can be attributed to the rise in terrorist activities and integration of renewable energy.

Which Will Be The Largest Country In The Global Military Power Solutions Market In 2029?

The USA will be the largest country in the military power solutions market in 2029, valued at \$4,210 million. The market is expected to grow from \$3,155 million in 2024 at a compound annual growth rate (CAGR) of 6%. The strong growth can be attributed to the favourable government initiatives and integration of renewable energy.



Request a free sample of the Military Power Solutions Market report
https://www.thebusinessresearchcompany.com/sample_request?id=10817&type=smp

What will be Largest Segment in the Military Power Solutions Market in 2029?

The [military power solutions market size](#) is segmented by type into portable and non-portable solutions. The non-

portable solutions market will be the largest segment of the military power solutions market segmented by type, accounting for 62% or \$8,707 million of the total in 2029. The non-portable solutions market will be supported by the rising need for high-capacity energy storage for base camps and command centers, increasing deployment of stationary power systems for radar and

“

It will grow from \$9.3 billion in 2024 to \$9.89 billion in 2025 at a compound annual growth rate (CAGR) of 6.3%”

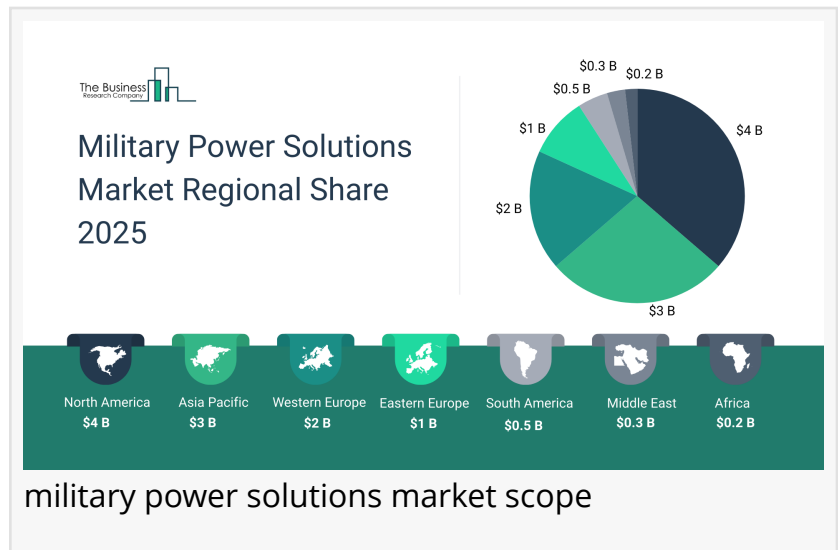
The Business Research Company

communication infrastructure, growing investments in hybrid power solutions to reduce dependency on fossil fuels, advancements in modular energy storage for scalability and efficiency, stringent military standards for reliable and uninterrupted power supply and rising use of AI-driven energy management systems for operational efficiency.

The military power solutions market is segmented by

source into batteries, generators, fuel cells, energy harvesters and other sources. The batteries market will be the largest segment of the military power solutions market segmented by source, accounting for 30% or \$4,203 million of the total in 2029. The batteries market will be supported by advancements in solid-state battery technology for improved safety and longevity, rising use of battery-powered drones and autonomous systems, growing initiatives to develop lightweight and flexible energy storage solutions, increasing focus on sustainable and recyclable battery materials, military modernization programs emphasizing energy-efficient power solutions and increasing demand for rechargeable and high-performance lithium-ion batteries.

The military power solutions market is segmented by wattage into low power, medium power and high-power solutions. The medium power market will be the largest segment of the military power solutions market segmented by wattage, accounting for 44% or \$6,202 million of the total in 2029. The medium power market will be supported by growing deployment of energy solutions for field command centers and communication stations, increasing demand for modular and scalable battery packs, advancements in hybrid power technologies combining solar, wind and battery storage, rising use of medium-power fuel cells in tactical vehicles,



enhanced efficiency in mobile radar and surveillance equipment and government-funded programs driving the development of resilient battlefield power systems.

The military power solutions market is segmented by platform into air, land and sea applications. The land market will be the largest segment of the military power solutions market segmented by platform, accounting for 48% or \$6,768 million of the total in 2029. The land market will be supported by the growing need for high-capacity energy sources in armored vehicles and mobile command centers, increasing deployment of hybrid power solutions in battlefield operations, advancements in battery technologies for infantry equipment and wearable power systems, expanding use of energy-harvesting systems in soldier gear, government initiatives promoting sustainable and efficient land-based power solutions and rising adoption of microgrids for military camps

What is the expected CAGR for the Military Power Solutions Market leading up to 2029?

The expected CAGR for the military power solutions market leading up to 2029 is 8%.

What Will Be The Growth Driving Factors In The Global Military Power Solutions Market In The Forecast Period?

The rapid growth of the global military power solutions market leading up to 2029 will be driven by the following key factors that are expected to reshape military operational capabilities and defense power management systems worldwide.

Rising Adoption of Unmanned Aerial Vehicles (UAVs) And Drones - The rising adoption of unmanned aerial vehicles (UAVs) and drones will become a key driver of growth in the military power solutions market by 2029. The rising adoption of unmanned aerial vehicles (UAVs) and drones is fuelling demand for military power solutions, as these unmanned systems require lightweight, high-density energy sources such as advanced batteries, fuel cells and hybrid power systems. With increasing reliance on drone warfare and surveillance, military forces are investing in reliable, portable and renewable power technologies to enhance endurance, operational efficiency and mission capabilities in remote and high-risk environments. As a result, the rising adoption of unmanned aerial vehicles (UAVs) and drones is anticipated to contributing to a 2.0% annual growth in the market.

Favourable Government Initiatives - The favourable government initiatives will emerge as a major factor driving the expansion of the market by 2029. Government initiatives supporting advanced power sources, such as renewable energy and hybrid generators, are driving demand for military power solutions by enhancing operational efficiency, reducing dependence on traditional fuels and fostering localized defense manufacturing. These initiatives promote innovation and strengthen supply chain resilience, further accelerating market growth. Consequently, the favourable government initiatives is projected to contributing to a 1.5% annual growth in the market.

Rising Space-Based Military Operations - The rising space-based military operations will serve as

a key growth catalyst for the market by 2029. The increasing focus on space-based military operations is driving the demand for advanced military power solutions to support critical systems such as satellites, surveillance technology and space-based weaponry. These operations necessitate highly efficient and durable power sources to ensure continuous functionality in extreme environments. As global defense agencies enhance their space capabilities, investments in resilient power technologies are expected to rise, accelerating market growth. Therefore, this rising space-based military operations is projected to supporting to a 1.0% annual growth in the market.

Growth in Electrification of Military Vehicles - The growth in electrification of military vehicles will become a significant driver contributing to the growth of the market by 2029. As armed forces adopt electric and hybrid platforms for greater stealth, reduced fuel dependency and improved operational efficiency, the demand for reliable, high-performance power solutions is rising. This transition drives advancements in energy storage, distribution and management technologies, fuelling growth in military power solutions. Consequently, the growth in electrification of military vehicles is projected to contributing to a 0.5% annual growth in the market.

Access the detailed Military Power Solutions Market report here:

<https://www.thebusinessresearchcompany.com/report/military-power-solutions-global-market-report>

What Are The Key Growth Opportunities In The Military Power Solutions Market in 2029?

The most significant growth opportunities are anticipated in the non-portable defense power solutions market, the land-based military power solutions market, the medium military power solutions market, and the military power solutions for fuel cell market. Collectively, these segments are projected to contribute over \$8 billion in market value by 2029, driven by advancements in energy efficiency, increasing demand for reliable and sustainable power sources in military operations, and growing adoption of fuel cell technology for enhanced battlefield performance. This growth reflects the evolving needs of modern defense forces for robust, scalable, and environmentally conscious power solutions, fuel5tvlng transformative developments within the broader military power solutions industry.

The non-portable defense power solutions market is projected to grow by \$2,594 million, the land-based military power solutions market by \$2,087 million, the medium power military solutions market by \$ 1,911 million, and the military power solutions for fuel cell market by \$1,430 million over the next five years from 2024 to 2029.

[The Business Research Company \(www.thebusinessresearchcompany.com\)](http://www.thebusinessresearchcompany.com) is a leading market intelligence firm renowned for its expertise in company, market, and consumer research. We have published over 17,500 reports across 27 industries and 60+ geographies. Our research is powered by 1,500,000 datasets, extensive secondary research, and exclusive insights from interviews with industry leaders.

We provide continuous and custom research services, offering a range of specialized packages tailored to your needs, including Market Entry Research Package, Competitor Tracking Package, Supplier & Distributor Package and much more

Disclaimer: Please note that the findings, conclusions and recommendations that TBRC Business Research Pvt Ltd delivers are based on information gathered in good faith from both primary and secondary sources, whose accuracy we are not always in a position to guarantee. As such TBRC Business Research Pvt Ltd can accept no liability whatever for actions taken based on any information that may subsequently prove to be incorrect. Analysis and findings included in TBRC reports and presentations are our estimates, opinions and are not intended as statements of fact or investment guidance.

The Business Research Company
Americas +1 310-496-7795
Europe +44 7882 955267
Asia & Others +44 7882 955267 & +91 8897263534
Email: info@tbrc.info

Oliver Guirdham
The Business Research Company
+44 7882 955267
info@tbrc.info

Visit us on social media:

[LinkedIn](#)

[Facebook](#)

[X](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/880492608>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2026 Newsmatics Inc. All Right Reserved.