

Global Military Power Solutions Market Size Study & Forecast, by Type, Source, Application, Wattage, and Regional Forecasts 2025–2035

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Abstracts

The Global Military Power Solutions Market was valued at approximately USD 10.72 billion in 2024 and is expected to witness robust expansion at a compound annual growth rate (CAGR) of 9.07% over the forecast period from 2025 to 2035. As the modern battlefield increasingly leans into electrification and digitalization, military forces across the globe are actively seeking resilient and efficient power solutions that can sustain critical operations in austere environments. Military power systems are engineered to supply reliable energy to essential platforms—be it portable soldier-carried gear or integrated power supplies for aircraft, land vehicles, and naval fleets. The rapid evolution of warfare and the growing demand for technologically superior defense systems are compelling governments to invest in innovative and high-performance power solutions.

As global security dynamics continue to shift, defense organizations are facing mounting pressure to enhance operational agility without compromising endurance. This growing need for on-the-move power has led to an increased deployment of modular and flexible systems like energy harvesters, fuel cells, solar arrays, and advanced battery storage units. Moreover, the surge in usage of electrically powered UAVs, ground systems, and communication-intensive platforms has created a fertile ground for advancements in military-grade power technology. In tandem, defense budgets in both developed and emerging nations are being strategically channeled into power innovation—aiming to improve troop efficiency, reduce logistic burdens, and enable silent, stealth-capable mobility.

Regionally, North America is poised to dominate the market share by 2025, fueled by its extensive defense expenditure, technological leadership, and the U.S. Department of

Defense's continued focus on modernization initiatives across all service branches. Europe follows closely, with NATO-aligned nations emphasizing energy resilience and lightweight power systems to support rapid-response and multinational joint operations. Meanwhile, the Asia Pacific region is projected to exhibit the fastest growth during the forecast period, owing to rising geopolitical tensions and military build-up in nations like India, China, and South Korea. These countries are aggressively investing in homegrown defense manufacturing, pushing demand for indigenous power systems tailored to their combat doctrines and terrain challenges.

Major market player included in this report are:

General Dynamics Corporation

Arotech Corporation

Raytheon Technologies Corporation

Cummins Inc.

Saft Groupe S.A.

SFC Energy AG

Enersys Inc.

EaglePicher Technologies

Concorde Battery Corporation

Denchi Power Ltd.

Advanced Conversion Technology Inc.

L3Harris Technologies Inc.

Epsilor-Electric Fuel Ltd.

PowerFilm, Inc.

Leonardo DRS

Global Military Power Solutions Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period – 2025–2035

Report Coverage – Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope – North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope – Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segments of the market are explained below:

By Type:

Portable

Non-Portable

By Source:

Batteries

Generators

Fuel Cells

Solar Power

Energy Harvesters

By Application:

Air

Land

Naval

By Wattage:

Low Power

Medium Power

High Power

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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