

Global Power Equipment Batteries Market Size Study & Forecast, by Type (Lithium-Ion Battery, Nickel-Cadmium Battery, Other Batteries) by Application (Drillers, Chainsaws, Lawn Mowers, Impact Wrenches, Other Equipment Types) and Regional Forecasts 2025-2035

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Abstracts

The Global Power Equipment Batteries Market is valued at approximately USD 6.8 billion in 2024 and is projected to grow at a healthy CAGR of 5.2% over the forecast period of 2025-2035, ultimately reaching nearly USD 11.88 billion by 2035. Power equipment batteries serve as the backbone of cordless and portable machinery, supplying reliable energy to a wide array of tools used across residential, commercial, and industrial settings. As end users increasingly shift away from fuel-powered and corded alternatives, battery-powered equipment is being rolled out at scale, driven by convenience, lower maintenance requirements, and tightening emission norms. The market's growth arc is being shaped by rapid advances in battery chemistry, rising tool electrification, and the steady expansion of do-it-yourself and professional equipment usage worldwide.

Demand momentum has further been dialed up by the construction boom, landscaping activities, and infrastructure maintenance, all of which are leaning heavily on cordless power tools to improve productivity and mobility. Lithium-ion technology, in particular, has helped phase out performance concerns traditionally associated with battery-powered equipment by offering higher energy density, faster charging cycles, and longer operational life. At the same time, manufacturers are doubling down on modular battery platforms that can be swapped across multiple equipment types, thereby locking in customer ecosystems and recurring revenue streams. However, raw material price

volatility and recycling complexities continue to cast a shadow over cost structures throughout the forecast period of 2025?2035.

The detailed segments and sub-segments included in the report are:

By Type:

Lithium-Ion Battery

Nickel-Cadmium Battery

Other Batteries

By Application:

Drillers

Chainsaws

Lawn Mowers

Impact Wrenches

Other Equipment Types

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

Among applications, lawn mowers are expected to dominate the power equipment batteries market during the forecast period, accounting for a significant share of overall demand. The growing preference for cordless electric lawn care solutions across residential and commercial landscaping has accelerated battery adoption, particularly in urban and suburban markets. As noise regulations and sustainability concerns gain traction, battery-powered lawn mowers are increasingly being phased in to replace gasoline-driven counterparts, reinforcing their position as the leading application segment.

From a revenue perspective, lithium-ion batteries currently lead the global power equipment batteries market by a wide margin. Their dominance stems from superior performance characteristics, including lightweight construction, longer cycle life, and consistent power delivery across demanding applications such as drillers and impact wrenches. While nickel-cadmium batteries retain a presence in cost-sensitive and legacy systems, lithium-ion solutions continue to scale up rapidly, benefiting from ongoing innovation and declining per-unit costs. Other battery types serve niche applications but contribute comparatively smaller revenue shares.

The key regions considered for the Global Power Equipment Batteries Market include Asia Pacific, North America, Europe, Latin America, and the Middle East & Africa. North America holds a substantial market share, supported by strong consumer adoption of cordless tools, high home-improvement spending, and the presence of leading power equipment brands. Europe follows closely, driven by strict environmental regulations and rapid electrification of outdoor equipment. Asia Pacific is anticipated to be the fastest-growing region over the forecast period, fueled by rising construction activity, expanding manufacturing bases, and growing disposable incomes in countries such as China and India.

Major market players included in this report are:

Panasonic Corporation

LG Energy Solution Ltd.

Samsung SDI Co., Ltd.

Bosch Limited

Hitachi, Ltd.

Makita Corporation

Stanley Black & Decker, Inc.

Robert Bosch GmbH

Energizer Holdings, Inc.

BYD Company Limited

Exide Technologies

Toshiba Corporation

Saft Groupe S.A.

Johnson Controls International plc

Duracell Inc.

Global Power Equipment Batteries 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 to 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 and countries in recent years and to forecast their values over the coming decade. The report integrates both qualitative insights and quantitative analysis to highlight key drivers, constraints, and emerging opportunities shaping the power equipment batteries ecosystem. It also delivers a detailed assessment of competitive positioning, product strategies, and innovation pathways, enabling stakeholders to navigate future market dynamics with confidence.

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 the 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 the competitive structure of the market.

Demand side and supply side analysis of the market.

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