

E Bike Motors Market Size, Trends, Analysis, and Outlook by Application (Urban, Trekking, Cargo), Capacity (Up To 250 W, 251 – 500 W, 500 And Above), Technology (Brushed DC, Brushless DC), Motor (Hub Motors, Mid-drives, Shaft Drives, Friction Drives), Power Assist (Throttle Assist E-Bike, Paddle Assist E-Bike), by Country, Segment, and Companies, 2024-2030

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Abstracts

The global Electric-vehicle Batteries market size is poised to register 23.59% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The study analyzes the global Electric-vehicle Batteries market by Battery (Lead-acid Battery, Lithium-ion Battery, Others), Vehicle (Battery Electric Vehicle (BEV), Plug-in Hybrid Electric Vehicle (PHEV), Hybrid Electric Vehicle (HEV)).

The Electric Vehicle (EV) Batteries Market is on the brink of transformative growth and innovation by 2030, driven by advancements in battery technology, particularly in terms of energy density, charging speed, and longevity, which are revolutionizing the EV batteries landscape, making electric vehicles more practical and appealing to consumers. Secondly, the increasing adoption of electric vehicles worldwide, coupled with government mandates and incentives promoting zero-emission transportation, is fueling demand for EV batteries and driving economies of scale in battery production, leading to cost reductions and improved affordability. Further, the electrification of various transportation sectors beyond passenger cars, including commercial vehicles, buses, and two-wheelers, is expanding the EV batteries market and driving innovation in battery design and manufacturing processes. In addition, investments in research and development are accelerating the development of next-generation battery technologies

such as solid-state batteries and lithium-sulfur batteries, promising even greater performance and energy storage capabilities. Furthermore, the integration of renewable energy sources and energy storage systems into electric vehicle charging infrastructure is creating new opportunities for EV batteries to serve as grid stabilizers and facilitate the transition toward a renewable energy future. .

Electric-vehicle Batteries Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Electric-vehicle Batteries market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Electric-vehicle Batteries survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Electric-vehicle Batteries industry.

Key market trends defining the global Electric-vehicle Batteries demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

Electric-vehicle Batteries Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Electric-vehicle Batteries industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Electric-vehicle Batteries companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Electric-vehicle Batteries industry

Leading Electric-vehicle Batteries companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Electric-vehicle Batteries companies.

Electric-vehicle Batteries Market Study- Strategic Analysis Review

The Electric-vehicle Batteries market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

Industry Dynamics: Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

Strategic Insights: Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

Internal Strengths and Weaknesses: Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

Future Possibilities: Prepare for diverse outcomes with in-depth scenario analysis.

Explore potential market disruptions, technology advancements, and economic changes.

Electric-vehicle Batteries Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Electric-vehicle Batteries industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

Electric-vehicle Batteries Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

North America Electric-vehicle Batteries Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Electric-vehicle Batteries market segments. Similarly, Strong end-user demand is encouraging Canadian Electric-vehicle Batteries companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Electric-vehicle Batteries market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Electric-vehicle Batteries Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Electric-vehicle Batteries industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Electric-vehicle Batteries market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific Electric-vehicle Batteries Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Electric-vehicle Batteries in Asia Pacific. In particular, China, India, and South East Asian Electric-vehicle Batteries markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

Latin America Electric-vehicle Batteries Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa Electric-vehicle Batteries Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Electric-vehicle Batteries market potential. Fueled by increasing consumption expenditure, growing population, and high demand across a few markets drives the demand for Electric-

vehicle Batteries.

Electric-vehicle Batteries Market Company Profiles

The global Electric-vehicle Batteries market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are BYD Co. Ltd, Clarios, Contemporary Amperex Technology Co. Ltd, East Penn Manufacturing Company, GS Yuasa Corp, Hitachi Ltd, LG Energy Solution Ltd, Narada Power Source Co. Ltd, Panasonic Corp, Samsung SDI Co. Ltd.

Recent Electric-vehicle Batteries Market Developments

The global Electric-vehicle Batteries market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

Electric-vehicle Batteries Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

Battery

Lead-acid Battery

Lithium-ion Battery

Others

Vehicle

Battery Electric Vehicle (BEV)

Plug-in Hybrid Electric Vehicle (PHEV)

Hybrid Electric Vehicle (HEV)

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

BYD Co. Ltd

Clarios

Contemporary Amperex Technology Co. Ltd

East Penn Manufacturing Company

GS Yuasa Corp

Hitachi Ltd

LG Energy Solution Ltd

Narada Power Source Co. Ltd

Panasonic Corp

Samsung SDI Co. Ltd.

Formats Available: Excel, PDF, and PPT

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 - Cargo

Capacity
Up To 250 W

251 – 500 W

500 AND ABOVE

Technology

Brushed DC

Brushless DC

Motor Type

Hub Motors

Mid-drives

Shaft Drives

Friction Drives

Power Assist

Throttle Assist E-Bike

Paddle Assist E-Bike

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- Dapu Motors Co. Ltd
- Giant Manufacturing Co. Ltd
- Panasonic Automotive & Industrial Systems Europe GmbH
- Robert Bosch GmbH
- Suzhou Xiongda Motor Co. Ltd
- TDCM Corp Ltd
- Yamaha Motor Co. Ltd

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