

Mild Hybrid Vehicles Market Size, Trends, Analysis, and Outlook by Capacity (12 V, 24 V, 48V, Above 48V), Vehicle (Passenger Car, Commercial Vehicle), Application (Commercial, Residential), Battery (Lithium Ion, Lead-Based, Others), by Country, Segment, and Companies, 2024-2030

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Abstracts

The global Electric Trucks market size is poised to register 32.3% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The study analyzes the global Electric Trucks market by Type (Light & Medium-duty Truck, Heavy-duty Truck), Component (12v Battery, High Voltage Battery, DC/AC Inverter, DC/DC Converter, DC/DC Boost Converter, E-Motor, AC/DC Charger, Motor Controller), Vehicle (Battery Electric Vehicle (BEV), Hybrid Electric Vehicle (HEV), Plug-In Hybrid Electric Vehicle (PHEV), Fuel Cell Electric Vehicle (FCEV)), Battery (Lead Acid Battery, Lithium-Ion Battery, Nickel-Based Battery), Application (Logistics, Municipal).

The Electric Trucks Market is poised for significant growth and innovation until 2030, driven by increasing concerns over air pollution, and carbon emissions, and the need for sustainable transportation solutions are expected to drive robust adoption of electric trucks across various industries. As governments worldwide implement stricter emissions regulations and companies strive to meet sustainability targets, electric trucks offer a viable solution for reducing environmental impact and operating costs. Secondly, advancements in battery technology, charging infrastructure, and electric drivetrain efficiency will contribute to the development of more efficient, reliable, and cost-effective electric truck models, further accelerating market expansion. Further, supportive government policies and incentives, including subsidies, grants, and emissions regulations, will create a conducive environment for market growth, fostering investment

in electric truck manufacturing and infrastructure development. In addition, changing consumer preferences toward eco-friendly products and services, coupled with the rise of e-commerce and urbanization, will drive demand for electric trucks as efficient and sustainable options for last-mile delivery and freight transport. Furthermore, the integration of autonomous driving technology, telematics, and predictive maintenance solutions into electric trucks will enhance efficiency, safety, and operational flexibility, driving adoption among fleet operators seeking to optimize logistics and reduce operating costs. .

Electric Trucks 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 Trucks market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Electric Trucks 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 Trucks industry.

Key market trends defining the global Electric Trucks 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 Trucks Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Electric Trucks 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 Trucks companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Electric Trucks industry

Leading Electric Trucks 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 Trucks companies.

Electric Trucks Market Study- Strategic Analysis Review

The Electric Trucks 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 Trucks Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Electric Trucks 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 Trucks 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 Trucks 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 Trucks market segments.

Similarly, Strong end-user demand is encouraging Canadian Electric Trucks companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Electric Trucks market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Electric Trucks 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 Trucks 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 Trucks 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 Trucks 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 Trucks in Asia Pacific. In particular, China, India, and South East Asian Electric Trucks 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 Trucks 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 Trucks 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 Trucks market potential. Fueled by increasing consumption expenditure, growing population, and high demand across a few markets drives the demand for Electric Trucks.

Electric Trucks Market Company Profiles

The global Electric Trucks 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 Motors Inc, Daimler AG, Dongfeng Motor Corp, Groupe Renault, Hino Motors Ltd, Isuzu Motors Ltd, Navistar International Transportation Corp, PACCAR Inc, Scania AB, Volvo Group.

Recent Electric Trucks Market Developments

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

Electric Trucks 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:

Type

Light & Medium-duty Truck

Heavy-duty Truck

Component

12v Battery

High Voltage Battery

DC/AC Inverter

DC/DC Converter

DC/DC Boost Converter

E-Motor

AC/DC Charger
Motor Controller
Vehicle
Battery Electric Vehicle (BEV)
Hybrid Electric Vehicle (HEV)
Plug-In Hybrid Electric Vehicle (PHEV)
Fuel Cell Electric Vehicle (FCEV)
Battery
Lead Acid Battery
Lithium-Ion Battery
Nickel-Based Battery
Application
Logistics
Municipal

Geographical Segmentation:

North America (3 markets)
Europe (6 markets)
Asia Pacific (6 markets)
Latin America (3 markets)
Middle East Africa (5 markets)

Companies

BYD Motors Inc
Daimler AG
Dongfeng Motor Corp
Groupe Renault
Hino Motors Ltd
Isuzu Motors Ltd
Navistar International Transportation Corp
PACCAR Inc
Scania AB
Volvo Group.

Formats Available: Excel, PDF, and PPT

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12 V

24 V**48V**

Above 48V

Vehicle

Passenger Car

Commercial Vehicle

Application

Commercial

Residential

Battery

Lithium Ion

Lead-Based

Others

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Audi AG

BMW AG

BYD Co. Ltd

Daimler AG

Ford Motor Company

Honda Motor Company Ltd

Hyundai Motor Company

Kia Motors Corp

Mitsubishi Motors Corp

Nissan Motor Co. Ltd

Suzuki Motor Corp

Toyota Motor Corp

Volkswagen Group

Volvo Group

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