

Electric Vehicle Driveline Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 – 2032

<https://marketpublishers.com/r/E05FBC3AF85CEN.html>

Date: October 2024

Pages: 240

Price: US\$ 4,365.00 (Single User License)

ID: E05FBC3AF85CEN

Abstracts

The Global Electric Vehicle Driveline Market was valued at USD 13.8 billion in 2023 and is projected to experience a compound annual growth rate (CAGR) of 8.4% from 2024 to 2032. The market growth is largely driven by the rising consumer preference for sustainable transportation options. As awareness of climate change and air quality issues increases, more consumers seek alternatives to traditional internal combustion engine (ICE) vehicles. As electric vehicle (EV) adoption accelerates, the demand for essential driveline components such as electric motors, batteries, and power electronics is on the rise. This growing interest is also fueling innovation within the industry and promoting the development of supportive infrastructure, further advancing the shift toward an electrified transportation system.

The market is segmented based on transmission types into single-speed and multi-speed categories. In 2023, single-speed transmissions captured over 70% of the market share and are projected to exceed USD 19 billion by 2032. The design simplicity of single-speed transmissions eliminates the need for complex gear-shifting mechanisms, resulting in a more efficient and lightweight solution. This configuration enhances overall vehicle performance, as electric motors provide instant torque, making single-speed systems particularly effective for electric drivetrains. This feature facilitates smoother acceleration while contributing to a more responsive driving experience, catering to consumers seeking modern, high-performance vehicles.

The front-wheel drive segment accounted for approximately 59% of the market share in 2023. FWD designs allow for a more compact layout by integrating the electric motor and battery in the front, which maximizes passenger and cargo space. This design is particularly appealing to urban consumers who prioritize versatility in vehicles. In 2023,

the U.S. region dominated the electric vehicle driveline market with a share exceeding 70%, and it is projected to surpass USD 5.5 billion by 2032. The growth in this market can be attributed to increasing government support and incentives aimed at promoting electric mobility. Federal and state programs—including tax credits, rebates, and grants—are designed to encourage consumers to switch to EVs. These financial incentives significantly lower the overall cost of ownership, making electric vehicles a more attractive option than traditional internal combustion engine models.

Contents

Report Content

CHAPTER 1 METHODOLOGY & SCOPE

- 1.1 Research design
 - 1.1.1 Research approach
 - 1.1.2 Data collection methods
- 1.2 Base estimates and calculations
 - 1.2.1 Base year calculation
 - 1.2.2 Key trends for market estimates
- 1.3 Forecast model
- 1.4 Primary research & validation
 - 1.4.1 Primary sources
 - 1.4.2 Data mining sources
- 1.5 Market definitions

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Industry synopsis, 2021 - 2032

CHAPTER 3 INDUSTRY INSIGHTS

- 3.1 Industry ecosystem analysis
 - 3.1.1 Raw material providers
 - 3.1.2 Manufacturers
 - 3.1.3 Technology providers
 - 3.1.4 Suppliers
 - 3.1.5 End-user
- 3.2 Supplier landscape
- 3.3 Profit margin analysis
- 3.4 Pricing analysis
- 3.5 Technology & innovation landscape
- 3.6 Key news & initiatives
- 3.7 Regulatory landscape
- 3.8 Impact forces
 - 3.8.1 Growth drivers
 - 3.8.1.1 Increasing consumer demand for electric vehicles

- 3.8.1.2 Innovations in battery technology, electric motors, and power electronics
- 3.8.1.3 Growing need to reduce carbon emissions
- 3.8.1.4 Increasing government incentives and regulations
- 3.8.2 Industry pitfalls & challenges
 - 3.8.2.1 Supply chain vulnerabilities
 - 3.8.2.2 Lack of charging infrastructure
- 3.9 Growth potential analysis
- 3.10 Porter's analysis
- 3.11 PESTEL analysis

CHAPTER 4 COMPETITIVE LANDSCAPE, 2023

- 4.1 Introduction
- 4.2 Company market share analysis
- 4.3 Competitive positioning matrix
- 4.4 Strategic outlook matrix

CHAPTER 5 MARKET ESTIMATES & FORECAST, BY ARCHITECTURE, 2021 - 2032 (\$BN, UNITS)

- 5.1 Key trends
- 5.2 Series
- 5.3 Parallel
- 5.4 Power split

CHAPTER 6 MARKET ESTIMATES & FORECAST, BY TRANSMISSION, 2021 - 2032 (\$BN, UNITS)

- 6.1 Key trends
- 6.2 Single-speed
- 6.3 Multi-speed

CHAPTER 7 MARKET ESTIMATES & FORECAST, BY MOTOR, 2021 - 2032 (\$BN, UNITS)

- 7.1 Key trends
- 7.2 Less than 100 kW
- 7.3 100-250 kW
- 7.4 Above 250 kW

CHAPTER 8 MARKET ESTIMATES & FORECAST, BY DRIVE, 2021 - 2032 (\$BN, UNITS)

- 8.1 Key trends
- 8.2 Front-wheel drive (FWD)
- 8.3 Rear-wheel drive (RWD)
- 8.4 All-wheel drive (AWD)

CHAPTER 9 MARKET ESTIMATES & FORECAST, BY PROPULSION, 2021 - 2032 (\$BN, UNITS)

- 9.1 Key trends
- 9.2 Hybrid vehicles
- 9.3 Plug-in hybrid vehicles
- 9.4 Battery electric vehicles

CHAPTER 10 MARKET ESTIMATES & FORECAST, BY VEHICLE, 2021 - 2032 (\$BN, UNITS)

- 10.1 Key trends
- 10.2 Passenger vehicles
- 10.3 Commercial vehicles
- 10.4 Two-wheelers

CHAPTER 11 MARKET ESTIMATES & FORECAST, BY REGION, 2021 - 2032 (\$BN, UNITS)

- 11.1 Key trends
- 11.2 North America
 - 11.2.1 U.S.
 - 11.2.2 Canada
- 11.3 Europe
 - 11.3.1 UK
 - 11.3.2 Germany
 - 11.3.3 France
 - 11.3.4 Spain
 - 11.3.5 Italy
 - 11.3.6 Russia

- 11.3.7 Nordics
- 11.4 Asia Pacific
 - 11.4.1 China
 - 11.4.2 India
 - 11.4.3 Japan
 - 11.4.4 South Korea
 - 11.4.5 ANZ
 - 11.4.6 Southeast Asia
- 11.5 Latin America
 - 11.5.1 Brazil
 - 11.5.2 Mexico
 - 11.5.3 Argentina
- 11.6 MEA
 - 11.6.1 UAE
 - 11.6.2 South Africa
 - 11.6.3 Saudi Arabia

CHAPTER 12 COMPANY PROFILES

- 12.1 Aisin Seiki Co., Ltd.
- 12.2 AVL List GmbH
- 12.3 BorgWarner
- 12.4 Continental AG
- 12.5 Dana Incorporated
- 12.6 DENSO Corporation
- 12.7 GKN Automotive
- 12.8 Hitachi Automotive Systems
- 12.9 JTEKT Corporation
- 12.10 Magna International Inc.
- 12.11 Mahle GmbH
- 12.12 Marelli Holdings Co., Ltd.
- 12.13 Nidec Corporation
- 12.14 NIO Inc.
- 12.15 Robert Bosch
- 12.16 Schaeffler Technologies AG & Co. KG
- 12.17 SK Innovation
- 12.18 Valeo Inc.
- 12.19 Xpeng Inc.
- 12.20 ZF Friedrichshafen AG

I would like to order

Product name: Electric Vehicle Driveline Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 – 2032

Product link: <https://marketpublishers.com/r/E05FBC3AF85CEN.html>

Price: US\$ 4,365.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/E05FBC3AF85CEN.html>