

Global EV Transmission System Market Size Study, by Vehicle Type (Battery Electric Vehicles, Plug-in Hybrid Electric Vehicles, Hybrid Electric Vehicles), by Transmission Type (Single-Speed, Multi-Speed), by Transmission System (AMT Transmission, CVT Transmission, AT Transmission, Others), and Regional Forecasts 2022-2032

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### **Abstracts**

Global EV Transmission System Market is valued at approximately USD 8.80 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 17.8% over the forecast period 2024-2032. Unlike traditional cars, electric vehicles (EVs) typically use a single-speed transmission due to the electric motor's wide operating range. This simpler system focuses on optimizing power delivery and efficiency rather than gear changes. It often includes a reduction gear to manage high motor speeds and a differential to distribute power between wheels. The accelerating shift towards electric mobility, driven by stringent emission regulations, environmental concerns, and advancements in EV technology, is significantly raising the demand for high-performance, reliable, and efficient transmission systems tailored specifically for electric drivetrains.

Technological advancements are expected to be a crucial driver for the market's expansion, with strategic partnerships and collaborations between automakers and transmission system suppliers playing a vital role in this progression. Innovations in energy storage systems, motor designs, and power electronics are poised to facilitate the development of more compact and efficient transmission solutions. Automakers are focusing on enhancing transmission efficiency, reducing weight and size, and improving overall system performance to meet the evolving requirements of electric vehicles. However, high costs of development and integration, along with the regulatory and



standardization issues are hampering the market growth during the estimated period.

The integration of autonomous driving technologies with electric vehicles is set to change the requirements for transmission systems. As autonomous driving becomes more prevalent, transmission systems will need to accommodate advanced features such as adaptive cruise control, predictive powertrain management, and regenerative braking. The significant need for intelligent transmission solutions that seamlessly interface with autonomous driving systems is expected to spur innovation in the EV transmission system market.

The key regions considered for the global EV Transmission System Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. North America is a dominating region in the EV Transmission System Market in terms of revenue. The market growth in the region is being attributed to factors including rising electric vehicle demand, supportive government policies, and a focus on technological advancements in EV transmissions. This factor is propelling the need for efficient systems to manage power in electric vehicles. Whereas, the market in Asia Pacific is anticipated to grow at the fastest rate over the forecast period fueled by soaring electric vehicle sales in China and Japan, along with government incentives for EVs and growing investments in charging infrastructure, are accelerating the demand for efficient transmission systems in this region.

vehicle sales in China and Japan, along with government incentives for EVs and growing investments in charging infrastructure, are accelerating the demand for efficient transmission systems in this region.

Major market players included in this report are:

Allison Transmission Inc.

Aisin Seiki Co., Ltd.

AVL List GmbH

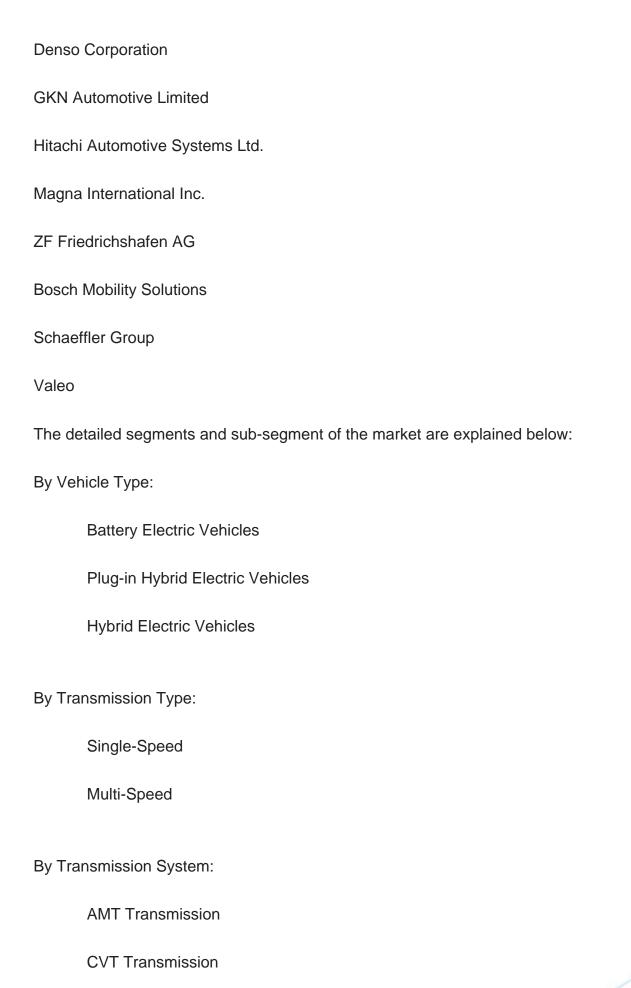
Continental AG

BorgWarner Inc.

**EATON Corporation** 

Dana Incorporated







,	AT Transmission	
(	Others	
By Region:		
North America		
l	U.S.	
(	Canada	
Europe		
ı	UK	
(	Germany	
ı	France	
;	Spain	
1	Italy	
I	ROE	
Asia Pacific		
(	China	
I	India	
•	Japan	
,	Australia	



South Korea		
RoAPAC		
Latin America		
Brazil		
Mexico		
Middle East & Africa		
Saudi Arabia		
South Africa		
RoMEA		
Years considered for the study are as follows:		
Historical year – 2022		
Base year – 2023		
Forecast period – 2024 to 2032		
Key Takeaways:		
Market Estimates & Forecast for 10 years from 2022 to 2032.		
Annualized revenues and regional level analysis for each market segment.		
Detailed analysis of geographical landscape with Country level analysis of major regions.		

Global EV Transmission System Market Size Study, by Vehicle Type (Battery Electric Vehicles, Plug-in Hybrid El...



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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