

# Global Future of E-Powertrain Market Size Study & Forecast, by Component, Vehicle Type, Application and Regional Forecasts 2025–2035

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## Abstracts

The Global Future of E-Powertrain Market is projected to be valued at approximately USD 127.3 billion in 2024 and is poised to expand at a robust CAGR of 6.20% over the forecast period from 2025 to 2035, reaching an estimated USD 246.72 billion by 2035. As the mobility landscape undergoes a profound transformation, electric powertrain solutions have emerged at the epicenter of next-generation automotive innovation. E-powertrains integrate electric motors, inverters, controllers, batteries, and transmission systems into a seamless architecture that enables higher efficiency, reduced emissions, and exceptional torque delivery across all driving conditions. Propelled by mounting regulatory pressures, shifting consumer preferences toward sustainable mobility, and the relentless evolution of electric drivetrain technologies, the market has garnered significant strategic interest among global automotive OEMs and Tier 1 suppliers.

The shift from internal combustion engines to hybrid and fully electric drivetrains is becoming a central narrative in the automotive sector, especially as global carbon neutrality goals tighten. Battery Electric Vehicles (BEVs), Plug-in Hybrid Electric Vehicles (PHEVs), and Hybrid Electric Vehicles (HEVs) are increasingly being integrated with advanced motor-inverter assemblies and smart battery management systems that enhance range, thermal stability, and overall performance. Governments across key economies are actively incentivizing EV adoption through subsidies and infrastructure development, which in turn is amplifying demand for modular, scalable e-powertrain architectures. However, manufacturers face short-term challenges related to battery material sourcing, powertrain standardization, and integration complexity, which necessitate focused R&D and strategic collaborations.

From a geographical standpoint, North America holds a notable share in the e-

powertrain market, largely driven by strong governmental support for electrification, expanding EV manufacturing hubs, and consumer appetite for zero-emission vehicles. Europe remains a front-runner owing to stringent environmental regulations, the prominence of established EV brands, and heavy investments in battery technology and gigafactories. Meanwhile, Asia Pacific is anticipated to chart the fastest growth trajectory, underpinned by explosive EV penetration in China, government-backed subsidies in India, and technology advancements in South Korea and Japan. The presence of major battery and motor manufacturers across the region further solidifies its pivotal role in shaping the global future of e-powertrains.

Major market player included in this report are:

Continental AG

Robert Bosch GmbH

Magna International Inc.

ZF Friedrichshafen AG

BorgWarner Inc.

Hitachi Astemo Ltd.

Valeo S.A.

Denso Corporation

Infineon Technologies AG

GKN Automotive

Schaeffler AG

Nidec Corporation

Dana Incorporated

Siemens AG

Mahle GmbH

Global Future of E-Powertrain 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 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 & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segments of the market are explained below:

By Component:

Motors

Inverters

Controllers

Battery

Transmission

By Vehicle Type:

BEV (Battery Electric Vehicle)

HEV (Hybrid Electric Vehicle)

PHEV (Plug-in Hybrid Electric Vehicle)

By Application:

Passenger Vehicles

Commercial Vehicles

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

## 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 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 competitive structure of the market.

Demand side and supply side analysis of the market.

## Contents

### **CHAPTER 1. GLOBAL FUTURE OF E-POWERTRAIN MARKET REPORT SCOPE & METHODOLOGY**

- 1.1. Research Objective
- 1.2. Research Methodology
  - 1.2.1. Forecast Model
  - 1.2.2. Desk Research
  - 1.2.3. Top-Down and Bottom-Up Approach
- 1.3. Research Attributes
- 1.4. Scope of the Study
  - 1.4.1. Market Definition
  - 1.4.2. Market Segmentation
- 1.5. Research Assumption
  - 1.5.1. Inclusion & Exclusion
  - 1.5.2. Limitations
  - 1.5.3. Years Considered for the Study

### **CHAPTER 2. EXECUTIVE SUMMARY**

- 2.1. CEO/CXO Standpoint
- 2.2. Strategic Insights
- 2.3. ESG Analysis
- 2.4. Key Findings

### **CHAPTER 3. GLOBAL FUTURE OF E-POWERTRAIN MARKET FORCES ANALYSIS**

- 3.1. Market Forces Shaping the Global Future of E-Powertrain Market (2024-2035)
- 3.2. Drivers
  - 3.2.1. Government Incentives and Regulatory Push for Electrification
  - 3.2.2. Advancements in Battery and Motor Technologies
- 3.3. Restraints
  - 3.3.1. High Upfront Costs and Supply-Chain Challenges
  - 3.3.2. Lack of Standardization Across Powertrain Architectures
- 3.4. Opportunities
  - 3.4.1. Modular, Scalable E-Powertrain Platforms
  - 3.4.2. Second-Life Battery and Circular Economy Initiatives

## **CHAPTER 4. GLOBAL FUTURE OF E-POWERTRAIN INDUSTRY ANALYSIS**

- 4.1. Porter's Five Forces Model
  - 4.1.1. Bargaining Power of Buyers
  - 4.1.2. Bargaining Power of Suppliers
  - 4.1.3. Threat of New Entrants
  - 4.1.4. Threat of Substitutes
  - 4.1.5. Competitive Rivalry
- 4.2. Porter's Five Forces Forecast Model (2024-2035)
- 4.3. PESTEL Analysis
  - 4.3.1. Political
  - 4.3.2. Economic
  - 4.3.3. Social
  - 4.3.4. Technological
  - 4.3.5. Environmental
  - 4.3.6. Legal
- 4.4. Top Investment Opportunities
- 4.5. Top Winning Strategies (2025)
- 4.6. Market Share Analysis (2024-2025)
- 4.7. Global Pricing Analysis and Trends 2025
- 4.8. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL FUTURE OF E-POWERTRAIN MARKET SIZE & FORECASTS BY COMPONENT 2025-2035**

- 5.1. Market Overview
- 5.2. Motors
  - 5.2.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
  - 5.2.2. Market Size Analysis, by Region, 2025-2035
- 5.3. Inverters
  - 5.3.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
  - 5.3.2. Market Size Analysis, by Region, 2025-2035
- 5.4. Controllers
  - 5.4.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
  - 5.4.2. Market Size Analysis, by Region, 2025-2035
- 5.5. Battery
  - 5.5.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
  - 5.5.2. Market Size Analysis, by Region, 2025-2035
- 5.6. Transmission

- 5.6.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
- 5.6.2. Market Size Analysis, by Region, 2025-2035

## **CHAPTER 6. GLOBAL FUTURE OF E-POWERTRAIN MARKET SIZE & FORECASTS BY VEHICLE TYPE 2025-2035**

- 6.1. Market Overview
- 6.2. BEV (Battery Electric Vehicle)
  - 6.2.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
  - 6.2.2. Market Size Analysis, by Region, 2025-2035
- 6.3. HEV (Hybrid Electric Vehicle)
  - 6.3.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
  - 6.3.2. Market Size Analysis, by Region, 2025-2035
- 6.4. PHEV (Plug-in Hybrid Electric Vehicle)
  - 6.4.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
  - 6.4.2. Market Size Analysis, by Region, 2025-2035

## **CHAPTER 7. GLOBAL FUTURE OF E-POWERTRAIN MARKET SIZE & FORECASTS BY APPLICATION 2025-2035**

- 7.1. Passenger Vehicles
  - 7.1.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
  - 7.1.2. Market Size Analysis, by Region, 2025-2035
- 7.2. Commercial Vehicles
  - 7.2.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
  - 7.2.2. Market Size Analysis, by Region, 2025-2035

## **CHAPTER 8. GLOBAL FUTURE OF E-POWERTRAIN MARKET SIZE & FORECASTS BY REGION 2025-2035**

- 8.1. Market, Regional Snapshot
- 8.2. Top Leading & Emerging Countries
- 8.3. North America E-Powertrain Market
  - 8.3.1. U.S. E-Powertrain Market
    - 8.3.1.1. Component Breakdown & Forecasts, 2025-2035
    - 8.3.1.2. Vehicle Type Breakdown & Forecasts, 2025-2035
  - 8.3.2. Canada E-Powertrain Market
    - 8.3.2.1. Component Breakdown & Forecasts, 2025-2035
    - 8.3.2.2. Vehicle Type Breakdown & Forecasts, 2025-2035

- 8.4. Europe E-Powertrain Market
  - 8.4.1. UK E-Powertrain Market
    - 8.4.1.1. Component Breakdown & Forecasts, 2025-2035
    - 8.4.1.2. Vehicle Type Breakdown & Forecasts, 2025-2035
  - 8.4.2. Germany E-Powertrain Market
    - 8.4.2.1. Component Breakdown & Forecasts, 2025-2035
    - 8.4.2.2. Vehicle Type Breakdown & Forecasts, 2025-2035
  - 8.4.3. France E-Powertrain Market
    - 8.4.3.1. Component Breakdown & Forecasts, 2025-2035
    - 8.4.3.2. Vehicle Type Breakdown & Forecasts, 2025-2035
  - 8.4.4. Spain E-Powertrain Market
    - 8.4.4.1. Component Breakdown & Forecasts, 2025-2035
    - 8.4.4.2. Vehicle Type Breakdown & Forecasts, 2025-2035
  - 8.4.5. Italy E-Powertrain Market
    - 8.4.5.1. Component Breakdown & Forecasts, 2025-2035
    - 8.4.5.2. Vehicle Type Breakdown & Forecasts, 2025-2035
  - 8.4.6. Rest of Europe E-Powertrain Market
    - 8.4.6.1. Component Breakdown & Forecasts, 2025-2035
    - 8.4.6.2. Vehicle Type Breakdown & Forecasts, 2025-2035
- 8.5. Asia Pacific E-Powertrain Market
  - 8.5.1. China E-Powertrain Market
    - 8.5.1.1. Component Breakdown & Forecasts, 2025-2035
    - 8.5.1.2. Vehicle Type Breakdown & Forecasts, 2025-2035
  - 8.5.2. India E-Powertrain Market
    - 8.5.2.1. Component Breakdown & Forecasts, 2025-2035
    - 8.5.2.2. Vehicle Type Breakdown & Forecasts, 2025-2035
  - 8.5.3. Japan E-Powertrain Market
    - 8.5.3.1. Component Breakdown & Forecasts, 2025-2035
    - 8.5.3.2. Vehicle Type Breakdown & Forecasts, 2025-2035
  - 8.5.4. Australia E-Powertrain Market
    - 8.5.4.1. Component Breakdown & Forecasts, 2025-2035
    - 8.5.4.2. Vehicle Type Breakdown & Forecasts, 2025-2035
  - 8.5.5. South Korea E-Powertrain Market
    - 8.5.5.1. Component Breakdown & Forecasts, 2025-2035
    - 8.5.5.2. Vehicle Type Breakdown & Forecasts, 2025-2035
  - 8.5.6. Rest of Asia Pacific E-Powertrain Market
    - 8.5.6.1. Component Breakdown & Forecasts, 2025-2035
    - 8.5.6.2. Vehicle Type Breakdown & Forecasts, 2025-2035
- 8.6. Latin America E-Powertrain Market

- 8.6.1. Brazil E-Powertrain Market
  - 8.6.1.1. Component Breakdown & Forecasts, 2025-2035
  - 8.6.1.2. Vehicle Type Breakdown & Forecasts, 2025-2035
- 8.6.2. Mexico E-Powertrain Market
  - 8.6.2.1. Component Breakdown & Forecasts, 2025-2035
  - 8.6.2.2. Vehicle Type Breakdown & Forecasts, 2025-2035
- 8.7. Middle East & Africa E-Powertrain Market
  - 8.7.1. UAE E-Powertrain Market
    - 8.7.1.1. Component Breakdown & Forecasts, 2025-2035
    - 8.7.1.2. Vehicle Type Breakdown & Forecasts, 2025-2035
  - 8.7.2. Saudi Arabia E-Powertrain Market
    - 8.7.2.1. Component Breakdown & Forecasts, 2025-2035
    - 8.7.2.2. Vehicle Type Breakdown & Forecasts, 2025-2035
  - 8.7.3. South Africa E-Powertrain Market
    - 8.7.3.1. Component Breakdown & Forecasts, 2025-2035
    - 8.7.3.2. Vehicle Type Breakdown & Forecasts, 2025-2035

## **CHAPTER 9. COMPETITIVE INTELLIGENCE**

- 9.1. Top Market Strategies
- 9.2. Continental AG
  - 9.2.1. Company Overview
  - 9.2.2. Key Executives
  - 9.2.3. Company Snapshot
  - 9.2.4. Financial Performance (Subject to Data Availability)
  - 9.2.5. Product/Services Portfolio
  - 9.2.6. Recent Developments
  - 9.2.7. Market Strategies
  - 9.2.8. SWOT Analysis
- 9.3. Robert Bosch GmbH
- 9.4. Magna International Inc.
- 9.5. ZF Friedrichshafen AG
- 9.6. BorgWarner Inc.
- 9.7. Hitachi Astemo Ltd.
- 9.8. Valeo S.A.
- 9.9. Denso Corporation
- 9.10. Infineon Technologies AG
- 9.11. GKN Automotive
- 9.12. Schaeffler AG

- 9.13. Nidec Corporation
- 9.14. Dana Incorporated
- 9.15. Siemens AG
- 9.16. Mahle GmbH

## List Of Tables

### LIST OF TABLES

Table 1. Global Future of E-Powertrain Market, Report Scope

Table 2. Global Future of E-Powertrain Market Estimates & Forecasts by Region  
2024–2035

Table 3. Global Future of E-Powertrain Market Estimates & Forecasts by Component  
2024–2035

Table 4. Global Future of E-Powertrain Market Estimates & Forecasts by Vehicle Type  
2024–2035

Table 5. Global Future of E-Powertrain Market Estimates & Forecasts by Application  
2024–2035

Table 6. North America Future of E-Powertrain Market Estimates & Forecasts,  
2024–2035

Table 7. U.S. Future of E-Powertrain Market Estimates & Forecasts, 2024–2035

Table 8. Canada Future of E-Powertrain Market Estimates & Forecasts, 2024–2035

Table 9. Europe Future of E-Powertrain Market Estimates & Forecasts, 2024–2035

Table 10. Germany Future of E-Powertrain Market Estimates & Forecasts, 2024–2035

Table 11. UK Future of E-Powertrain Market Estimates & Forecasts, 2024–2035

Table 12. France Future of E-Powertrain Market Estimates & Forecasts, 2024–2035

Table 13. Spain Future of E-Powertrain Market Estimates & Forecasts, 2024–2035

Table 14. Italy Future of E-Powertrain Market Estimates & Forecasts, 2024–2035

Table 15. Asia Pacific Future of E-Powertrain Market Estimates & Forecasts,  
2024–2035

Table 16. China Future of E-Powertrain Market Estimates & Forecasts, 2024–2035

Table 17. India Future of E-Powertrain Market Estimates & Forecasts, 2024–2035

Table 18. Japan Future of E-Powertrain Market Estimates & Forecasts, 2024–2035

Table 19. Latin America Future of E-Powertrain Market Estimates & Forecasts,  
2024–2035

Table 20. Brazil Future of E-Powertrain Market Estimates & Forecasts, 2024–2035

## List Of Figures

### LIST OF FIGURES

- Fig 1. Global Future of E-Powertrain Market, Research Methodology
- Fig 2. Global Future of E-Powertrain Market, Market Estimation Techniques
- Fig 3. Global Future of E-Powertrain Market, Key Trends 2025
- Fig 4. Global Future of E-Powertrain Market, Growth Prospects 2024–2035
- Fig 5. Global Future of E-Powertrain Market, Porter’s Five Forces Model
- Fig 6. Global Future of E-Powertrain Market, PESTEL Analysis
- Fig 7. Global Future of E-Powertrain Market, Value Chain Analysis
- Fig 8. Future of E-Powertrain Market by Component, 2025 & 2035
- Fig 9. Future of E-Powertrain Market by Vehicle Type, 2025 & 2035
- Fig 10. Future of E-Powertrain Market by Application, 2025 & 2035
- Fig 11. North America Future of E-Powertrain Market, 2025 & 2035
- Fig 12. Europe Future of E-Powertrain Market, 2025 & 2035
- Fig 13. Asia Pacific Future of E-Powertrain Market, 2025 & 2035
- Fig 14. Latin America Future of E-Powertrain Market, 2025 & 2035
- Fig 15. Middle East & Africa Future of E-Powertrain Market, 2025 & 2035
- Fig 16. Global Future of E-Powertrain Market, Company Market Share Analysis (2025)

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