

# **Global Range Extended Electric Vehicle Market Size Study & Forecast, by Type (ICE Range Extender, Fuel Cell Range Extender), by Vehicle Type (Passenger Car, Commercial Vehicle), Component (Battery Pack and Electric Motor, Generator and More), Power Output (Less Than 30 KW and 30–60 KW, and More) and Regional Forecasts 2025-2035**

<https://marketpublishers.com/r/GE7918897789EN.html>

Date: March 2026

Pages: 285

Price: US\$ 3,750.00 (Single User License)

ID: GE7918897789EN

## **Abstracts**

The Global Range Extended Electric Vehicle Market was valued at approximately USD 1.19 billion in 2024 and is expected to expand at a robust CAGR of 12.11% during the forecast period 2025–2035, with historical data considered for 2023 and 2024 and 2024 serving as the base year for estimation. Range Extended Electric Vehicles (REEVs) combine battery-electric propulsion with an onboard range extender—typically an internal combustion engine or fuel cell—that generates electricity to recharge the battery when needed. This architecture is increasingly being leaned into as a pragmatic bridge between conventional vehicles and fully electric mobility, easing range anxiety while maintaining lower emissions. As electrification strategies are rolled out globally, REEVs are being positioned as a flexible solution for markets where charging infrastructure is still catching up with ambition.

Market growth is being propelled by tightening emission regulations, growing consumer acceptance of electrified drivetrains, and the strategic push by automakers to diversify their electric portfolios. REEVs are being taken up particularly in regions where long driving distances, limited charging networks, or commercial usage patterns make pure battery electric vehicles less practical. Technological improvements in battery efficiency, lightweight materials, and energy management systems are further enhancing the value proposition of REEVs. While the accelerating rollout of fast-charging infrastructure and

declining battery costs pose long-term competition, REEVs continue to carve out a compelling niche through the forecast period of 2025–2035.

**The detailed segments and sub-segments included in the report are:**

By Type:

ICE Range Extender

Fuel Cell Range Extender

By Vehicle Type:

Passenger Car

Commercial Vehicle

By Component:

Battery Pack

Electric Motor

Generator

More

By Power Output:

Less than 30 KW

30 – 60 KW

More

Passenger cars are expected to dominate the Global Range Extended Electric Vehicle Market over the forecast period, accounting for the largest share of unit sales and overall adoption. This dominance is being driven by rising consumer demand for low-emission personal mobility solutions that do not compromise on driving range or convenience. Urban and semi-urban users are increasingly gravitating toward REEV passenger cars as they balance daily electric driving with the reassurance of extended range for longer trips. While commercial vehicles are gaining momentum—particularly in logistics and fleet applications—the passenger car segment remains the primary volume driver anchoring market growth.

From a revenue perspective, ICE range extender systems currently lead the market, capturing the largest share of total revenue. Their dominance stems from established supply chains, lower system costs, and easier integration into existing vehicle platforms. Automakers continue to favor ICE-based range extenders for near-term commercialization, especially in cost-sensitive markets. However, fuel cell range extenders are emerging as a high-potential segment, particularly in regions prioritizing hydrogen infrastructure and zero-emission mobility. Although still at a nascent stage, fuel cell-based systems are expected to register faster growth rates as technology matures and policy support strengthens.

North America represents a significant share of the Global Range Extended Electric Vehicle Market, supported by strong regulatory incentives, early adoption of advanced vehicle technologies, and growing consumer awareness around sustainable mobility. Europe follows closely, driven by stringent emission norms, urban low-emission zones, and proactive government support for alternative powertrains. Asia Pacific is anticipated to be the fastest-growing region during the forecast period, underpinned by rapid urbanization, expanding automotive production, and rising investments in electrification across China, Japan, and South Korea. Emerging markets within Latin America and the Middle East & Africa are also beginning to explore REEVs, particularly for commercial and utility-focused applications.

**Major market players included in this report are:**

BMW Group

General Motors Company

Ford Motor Company

Volkswagen AG

Toyota Motor Corporation

Hyundai Motor Company

Honda Motor Co., Ltd.

Nissan Motor Co., Ltd.

BYD Company Limited

Stellantis N.V.

Geely Automobile Holdings Ltd.

SAIC Motor Corporation

Daimler Truck AG

Cummins Inc.

Ballard Power Systems

### **Global Range Extended Electric Vehicle 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 to 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 across different segments and countries in recent years and to forecast their evolution through 2035, grounded firmly in historical data from 2023 and 2024 and a 2024 base year. The report blends qualitative insights with quantitative analysis to unpack growth drivers, technology trends, and competitive dynamics shaping the Global Range Extended Electric Vehicle Market. It also highlights emerging opportunities at a micro-market level, supported by a detailed assessment of product strategies, innovation pipelines, and long-term positioning of key industry participants.

### **Key Takeaways:**

Market estimates and forecasts for 10 years from 2025 to 2035.

Annualized revenues and regional-level analysis for each market segment.

In-depth geographical analysis with country-level insights.

Competitive landscape profiling major players and strategic initiatives.

Evaluation of key business strategies with forward-looking recommendations.

Assessment of the competitive structure of the market.

Integrated demand-side and supply-side analysis of the market.

## Contents

### **CHAPTER 1. GLOBAL RANGE EXTENDED ELECTRIC VEHICLE 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 RANGE EXTENDED ELECTRIC VEHICLE MARKET FORCES ANALYSIS**

- 3.1. Market Forces Shaping The Global Range Extended Electric Vehicle Market (2025-2035)
- 3.2. Drivers
  - 3.2.1. tightening emission regulations
  - 3.2.2. growing consumer acceptance of electrified drivetrains
- 3.3. Restraints
  - 3.3.1. fast-charging infrastructure and declining battery costs
- 3.4. Opportunities
  - 3.4.1. strategic push by automakers to diversify their electric portfolios

## **CHAPTER 4. GLOBAL RANGE EXTENDED ELECTRIC VEHICLE INDUSTRY ANALYSIS**

- 4.1. Porter's 5 Forces Model
  - 4.1.1. Bargaining Power of Buyer
  - 4.1.2. Bargaining Power of Supplier
  - 4.1.3. Threat of New Entrants
  - 4.1.4. Threat of Substitutes
  - 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Forecast Model (2025-2035)
- 4.3. PESTEL Analysis
  - 4.3.1. Political
  - 4.3.2. Economical
  - 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 (2025-2025)
- 4.7. Global Pricing Analysis And Trends 2025
- 4.8. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL RANGE EXTENDED ELECTRIC VEHICLE MARKET SIZE & FORECASTS BY TYPE 2025-2035**

- 5.1. Market Overview
- 5.2. Global Range Extended Electric Vehicle Market Performance - Potential Analysis (2025)
- 5.3. ICE Range Extender
  - 5.3.1. Top Countries Breakdown Estimates & Forecasts, 2025-2035
  - 5.3.2. Market size analysis, by region, 2025-2035
- 5.4. Fuel Cell Range Extender
  - 5.4.1. Top Countries Breakdown Estimates & Forecasts, 2025-2035
  - 5.4.2. Market size analysis, by region, 2025-2035

## **CHAPTER 6. GLOBAL RANGE EXTENDED ELECTRIC VEHICLE MARKET SIZE & FORECASTS BY VEHICLE TYPE 2025-2035**

- 6.1. Market Overview
- 6.2. Global Range Extended Electric Vehicle Market Performance - Potential Analysis (2025)
- 6.3. Passenger Car
  - 6.3.1. Top Countries Breakdown Estimates & Forecasts, 2025-2035
  - 6.3.2. Market size analysis, by region, 2025-2035
- 6.4. Commercial Vehicle
  - 6.4.1. Top Countries Breakdown Estimates & Forecasts, 2025-2035
  - 6.4.2. Market size analysis, by region, 2025-2035

## **CHAPTER 7. GLOBAL RANGE EXTENDED ELECTRIC VEHICLE MARKET SIZE & FORECASTS BY COMPONENT 2025-2035**

- 7.1. Market Overview
- 7.2. Global Range Extended Electric Vehicle Market Performance - Potential Analysis (2025)
- 7.3. Battery Pack
  - 7.3.1. Top Countries Breakdown Estimates & Forecasts, 2025-2035
  - 7.3.2. Market size analysis, by region, 2025-2035
- 7.4. Electric Motor
  - 7.4.1. Top Countries Breakdown Estimates & Forecasts, 2025-2035
  - 7.4.2. Market size analysis, by region, 2025-2035
- 7.5. Generator
  - 7.5.1. Top Countries Breakdown Estimates & Forecasts, 2025-2035
  - 7.5.2. Market size analysis, by region, 2025-2035
- 7.6. More
  - 7.6.1. Top Countries Breakdown Estimates & Forecasts, 2025-2035
  - 7.6.2. Market size analysis, by region, 2025-2035

## **CHAPTER 8. GLOBAL RANGE EXTENDED ELECTRIC VEHICLE MARKET SIZE & FORECASTS BY POWER OUTPUT 2025-2035**

- 8.1. Market Overview
- 8.2. Global Range Extended Electric Vehicle Market Performance - Potential Analysis (2025)
- 8.3. Less than 30 KW
  - 8.3.1. Top Countries Breakdown Estimates & Forecasts, 2025-2035
  - 8.3.2. Market size analysis, by region, 2025-2035
- 8.4. 30 – 60 KW

- 8.4.1. Top Countries Breakdown Estimates & Forecasts, 2025-2035
- 8.4.2. Market size analysis, by region, 2025-2035
- 8.5. More
  - 8.5.1. Top Countries Breakdown Estimates & Forecasts, 2025-2035
  - 8.5.2. Market size analysis, by region, 2025-2035

## **CHAPTER 9. GLOBAL RANGE EXTENDED ELECTRIC VEHICLE MARKET SIZE & FORECASTS BY REGION 2025–2035**

- 9.1. Growth Range Extended Electric Vehicle Market, Regional Market Snapshot
- 9.2. Top Leading & Emerging Countries
- 9.3. North America Range Extended Electric Vehicle Market
  - 9.3.1. U.S. Range Extended Electric Vehicle Market
    - 9.3.1.1. Type breakdown size & forecasts, 2025-2035
    - 9.3.1.2. Vehicle Type breakdown size & forecasts, 2025-2035
    - 9.3.1.3. Component breakdown size & forecasts, 2025-2035
    - 9.3.1.4. Power Output breakdown size & forecasts, 2025-2035
  - 9.3.2. Canada Range Extended Electric Vehicle Market
    - 9.3.2.1. Type breakdown size & forecasts, 2025-2035
    - 9.3.2.2. Vehicle Type breakdown size & forecasts, 2025-2035
    - 9.3.2.3. Component breakdown size & forecasts, 2025-2035
    - 9.3.2.4. Power Output breakdown size & forecasts, 2025-2035
- 9.4. Europe Range Extended Electric Vehicle Market
  - 9.4.1. UK Range Extended Electric Vehicle Market
    - 9.4.1.1. Type breakdown size & forecasts, 2025-2035
    - 9.4.1.2. Vehicle Type breakdown size & forecasts, 2025-2035
    - 9.4.1.3. Component breakdown size & forecasts, 2025-2035
    - 9.4.1.4. Power Output breakdown size & forecasts, 2025-2035
  - 9.4.2. Germany Range Extended Electric Vehicle Market
    - 9.4.2.1. Type breakdown size & forecasts, 2025-2035
    - 9.4.2.2. Vehicle Type breakdown size & forecasts, 2025-2035
    - 9.4.2.3. Component breakdown size & forecasts, 2025-2035
    - 9.4.2.4. Power Output breakdown size & forecasts, 2025-2035
  - 9.4.3. France Range Extended Electric Vehicle Market
    - 9.4.3.1. Type breakdown size & forecasts, 2025-2035
    - 9.4.3.2. Vehicle Type breakdown size & forecasts, 2025-2035
    - 9.4.3.3. Component breakdown size & forecasts, 2025-2035
    - 9.4.3.4. Power Output breakdown size & forecasts, 2025-2035
  - 9.4.4. Spain Range Extended Electric Vehicle Market

- 9.4.4.1. Type breakdown size & forecasts, 2025-2035
- 9.4.4.2. Vehicle Type breakdown size & forecasts, 2025-2035
- 9.4.4.3. Component breakdown size & forecasts, 2025-2035
- 9.4.4.4. Power Output breakdown size & forecasts, 2025-2035
- 9.4.5. Italy Range Extended Electric Vehicle Market
  - 9.4.5.1. Type breakdown size & forecasts, 2025-2035
  - 9.4.5.2. Vehicle Type breakdown size & forecasts, 2025-2035
  - 9.4.5.3. Component breakdown size & forecasts, 2025-2035
  - 9.4.5.4. Power Output breakdown size & forecasts, 2025-2035
- 9.4.6. Rest of Europe Range Extended Electric Vehicle Market
  - 9.4.6.1. Type breakdown size & forecasts, 2025-2035
  - 9.4.6.2. Vehicle Type breakdown size & forecasts, 2025-2035
  - 9.4.6.3. Component breakdown size & forecasts, 2025-2035
  - 9.4.6.4. Power Output breakdown size & forecasts, 2025-2035
- 9.5. Asia Pacific Range Extended Electric Vehicle Market
  - 9.5.1. China Range Extended Electric Vehicle Market
    - 9.5.1.1. Type breakdown size & forecasts, 2025-2035
    - 9.5.1.2. Vehicle Type breakdown size & forecasts, 2025-2035
    - 9.5.1.3. Component breakdown size & forecasts, 2025-2035
    - 9.5.1.4. Power Output breakdown size & forecasts, 2025-2035
  - 9.5.2. India Range Extended Electric Vehicle Market
    - 9.5.2.1. Type breakdown size & forecasts, 2025-2035
    - 9.5.2.2. Vehicle Type breakdown size & forecasts, 2025-2035
    - 9.5.2.3. Component breakdown size & forecasts, 2025-2035
    - 9.5.2.4. Power Output breakdown size & forecasts, 2025-2035
  - 9.5.3. Japan Range Extended Electric Vehicle Market
    - 9.5.3.1. Type breakdown size & forecasts, 2025-2035
    - 9.5.3.2. Vehicle Type breakdown size & forecasts, 2025-2035
    - 9.5.3.3. Component breakdown size & forecasts, 2025-2035
    - 9.5.3.4. Power Output breakdown size & forecasts, 2025-2035
  - 9.5.4. Australia Range Extended Electric Vehicle Market
    - 9.5.4.1. Type breakdown size & forecasts, 2025-2035
    - 9.5.4.2. Vehicle Type breakdown size & forecasts, 2025-2035
    - 9.5.4.3. Component breakdown size & forecasts, 2025-2035
    - 9.5.4.4. Power Output breakdown size & forecasts, 2025-2035
  - 9.5.5. South Korea Range Extended Electric Vehicle Market
    - 9.5.5.1. Type breakdown size & forecasts, 2025-2035
    - 9.5.5.2. Vehicle Type breakdown size & forecasts, 2025-2035
    - 9.5.5.3. Component breakdown size & forecasts, 2025-2035

- 9.5.5.4. Power Output breakdown size & forecasts, 2025-2035
- 9.5.6. Rest of APAC Range Extended Electric Vehicle Market
  - 9.5.6.1. Type breakdown size & forecasts, 2025-2035
  - 9.5.6.2. Vehicle Type breakdown size & forecasts, 2025-2035
  - 9.5.6.3. Component breakdown size & forecasts, 2025-2035
  - 9.5.6.4. Power Output breakdown size & forecasts, 2025-2035
- 9.6. Latin America Range Extended Electric Vehicle Market
  - 9.6.1. Brazil Range Extended Electric Vehicle Market
    - 9.6.1.1. Type breakdown size & forecasts, 2025-2035
    - 9.6.1.2. Vehicle Type breakdown size & forecasts, 2025-2035
    - 9.6.1.3. Component breakdown size & forecasts, 2025-2035
    - 9.6.1.4. Power Output breakdown size & forecasts, 2025-2035
  - 9.6.2. Mexico Range Extended Electric Vehicle Market
    - 9.6.2.1. Type breakdown size & forecasts, 2025-2035
    - 9.6.2.2. Vehicle Type breakdown size & forecasts, 2025-2035
    - 9.6.2.3. Component breakdown size & forecasts, 2025-2035
    - 9.6.2.4. Power Output breakdown size & forecasts, 2025-2035
- 9.7. Middle East and Africa Range Extended Electric Vehicle Market
  - 9.7.1. UAE Range Extended Electric Vehicle Market
    - 9.7.1.1. Type breakdown size & forecasts, 2025-2035
    - 9.7.1.2. Vehicle Type breakdown size & forecasts, 2025-2035
    - 9.7.1.3. Component breakdown size & forecasts, 2025-2035
    - 9.7.1.4. Power Output breakdown size & forecasts, 2025-2035
  - 9.7.2. Saudi Arabia (KSA) Range Extended Electric Vehicle Market
    - 9.7.2.1. Type breakdown size & forecasts, 2025-2035
    - 9.7.2.2. Vehicle Type breakdown size & forecasts, 2025-2035
    - 9.7.2.3. Component breakdown size & forecasts, 2025-2035
    - 9.7.2.4. Power Output breakdown size & forecasts, 2025-2035
  - 9.7.3. South Africa Range Extended Electric Vehicle Market
    - 9.7.3.1. Type breakdown size & forecasts, 2025-2035
    - 9.7.3.2. Vehicle Type breakdown size & forecasts, 2025-2035
    - 9.7.3.3. Component breakdown size & forecasts, 2025-2035
    - 9.7.3.4. Power Output breakdown size & forecasts, 2025-2035

## **CHAPTER 10. COMPETITIVE INTELLIGENCE**

- 10.1. Top Market Strategies
- 10.2. BMW Group
  - 10.2.1. Company Overview

- 10.2.2. Key Executives
- 10.2.3. Company Snapshot
- 10.2.4. Financial Performance (Subject to Data Availability)
- 10.2.5. Product/Services Port
- 10.2.6. Recent Development
- 10.2.7. Market Strategies
- 10.2.8. SWOT Analysis
- 10.3. General Motors Company
- 10.4. Ford Motor Company
- 10.5. Volkswagen AG
- 10.6. Toyota Motor Corporation
- 10.7. Hyundai Motor Company
- 10.8. Honda Motor Co., Ltd.
- 10.9. Nissan Motor Co., Ltd.
- 10.10. BYD Company Limited
- 10.11. Stellantis N.V.
- 10.12. Geely Automobile Holdings Ltd.
- 10.13. SAIC Motor Corporation
- 10.14. Daimler Truck AG
- 10.15. Cummins Inc.
- 10.16. Ballard Power Systems

## List Of Tables

### LIST OF TABLES

- Table 1. Global Range Extended Electric Vehicle Market, Report Scope
- Table 2. Global Range Extended Electric Vehicle Market Estimates & Forecasts By Region 2025–2035
- Table 3. Global Range Extended Electric Vehicle Market Estimates & Forecasts By Segment 2025–2035
- Table 4. Global Range Extended Electric Vehicle Market Estimates & Forecasts By Segment 2025–2035
- Table 5. Global Range Extended Electric Vehicle Market Estimates & Forecasts By Segment 2025–2035
- Table 6. Global Range Extended Electric Vehicle Market Estimates & Forecasts By Segment 2025–2035
- Table 7. Global Range Extended Electric Vehicle Market Estimates & Forecasts By Segment 2025–2035
- Table 8. U.S. Range Extended Electric Vehicle Market Estimates & Forecasts, 2025–2035
- Table 9. Canada Range Extended Electric Vehicle Market Estimates & Forecasts, 2025–2035
- Table 10. UK Range Extended Electric Vehicle Market Estimates & Forecasts, 2025–2035
- Table 11. Germany Range Extended Electric Vehicle Market Estimates & Forecasts, 2025–2035
- Table 12. France Range Extended Electric Vehicle Market Estimates & Forecasts, 2025–2035
- Table 13. Spain Range Extended Electric Vehicle Market Estimates & Forecasts, 2025–2035
- Table 14. Italy Range Extended Electric Vehicle Market Estimates & Forecasts, 2025–2035
- Table 15. Rest Of Europe Range Extended Electric Vehicle Market Estimates & Forecasts, 2025–2035
- Table 16. China Range Extended Electric Vehicle Market Estimates & Forecasts, 2025–2035
- Table 17. India Range Extended Electric Vehicle Market Estimates & Forecasts, 2025–2035
- Table 18. Japan Range Extended Electric Vehicle Market Estimates & Forecasts, 2025–2035

Table 19. Australia Range Extended Electric Vehicle Market Estimates & Forecasts,  
2025–2035

Table 20. South Korea Range Extended Electric Vehicle Market Estimates & Forecasts,  
2025–2035

.....

## List Of Figures

### LIST OF FIGURES

- Fig 1. Global Range Extended Electric Vehicle Market, Research Methodology
- Fig 2. Global Range Extended Electric Vehicle Market, Market Estimation Techniques
- Fig 3. Global Market Size Estimates & Forecast Methods
- Fig 4. Global Range Extended Electric Vehicle Market, Key Trends 2025
- Fig 5. Global Range Extended Electric Vehicle Market, Growth Prospects 2025–2035
- Fig 6. Global Range Extended Electric Vehicle Market, Porter’s Five Forces Model
- Fig 7. Global Range Extended Electric Vehicle Market, Pestel Analysis
- Fig 8. Global Range Extended Electric Vehicle Market, Value Chain Analysis
- Fig 9. Range Extended Electric Vehicle Market By Application, 2025 & 2035
- Fig 10. Range Extended Electric Vehicle Market By Segment, 2025 & 2035
- Fig 11. Range Extended Electric Vehicle Market By Segment, 2025 & 2035
- Fig 12. Range Extended Electric Vehicle Market By Segment, 2025 & 2035
- Fig 13. Range Extended Electric Vehicle Market By Segment, 2025 & 2035
- Fig 14. North America Range Extended Electric Vehicle Market, 2025 & 2035
- Fig 15. Europe Range Extended Electric Vehicle Market, 2025 & 2035
- Fig 16. Asia Pacific Range Extended Electric Vehicle Market, 2025 & 2035
- Fig 17. Latin America Range Extended Electric Vehicle Market, 2025 & 2035
- Fig 18. Middle East & Africa Range Extended Electric Vehicle Market, 2025 & 2035
- Fig 19. Global Range Extended Electric Vehicle Market, Company Market Share Analysis (2025)

.....

## I would like to order

Product name: Global Range Extended Electric Vehicle Market Size Study & Forecast, by Type (ICE Range Extender, Fuel Cell Range Extender), by Vehicle Type (Passenger Car, Commercial Vehicle), Component (Battery Pack and Electric Motor, Generator and More), Power Output (Less Than 30 KW and 30–60 KW, and More) and Regional Forecasts 2025-2035

Product link: <https://marketpublishers.com/r/GE7918897789EN.html>

Price: US\$ 3,750.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GE7918897789EN.html>