

## **Electric Vehicle Range Extender - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)**

Market Report | 2025-04-28 | 100 pages | Mordor Intelligence

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### **Report description:**

The Electric Vehicle Range Extender Market is expected to register a CAGR of 9% during the forecast period.

The Impact of the COVID-19 pandemic on the EV range extender market is inevitable due to shut down of manufacturing units and lock downs. However, market is expected to regain its momentum owing to the swiftly escalating year-on-year adoption rate of electric vehicles across the world.

Factors such as rise in demand for driving range extension of the electric vehicles and engine downsizing to augment the growth of the EV range extender market. Moreover, developments for the extension of driving range of BEVs and enhanced focus of OEMs toward reducing the price of the battery are expected to hinder the growth of the market across the globe. Moreover, growing adoption of new technologies such as towable generators and batteries expected to increase demand for range extenders over the forecast period.

Asia Pacific expected to hold significant share in the market and North America to exhibit fastest growth during the forecast period. This growth can be attributed to significant adoption of hybrid and pure EVs, along with a lack of charging infrastructure across the region. Europe also to witness positive growth owing to rising sales of EV in key countries such as the U.K., Germany, Norway, and France.

Electric Vehicle Range Extender Market Trends

Fuel Cell Range Extender to Witness Faster Growth Rate During Forecast Period

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Fuel cell range extenders are expected to capture a significant share in the market during the forecast period, owing to the several on-going developments towards fuel cell range extender market. Rise in demand for fuel cell range extender along with development of innovative range extenders create new opportunities in the industry. For instance,

- In February 2019, Power Cell Sweden AB had received an order for two MS-30 fuel cell systems from a global automotive tier 1 supplier for delivery in 2019. The system built around PowerCell's fuel cell stack S2 and with an effect of 30 kW. These systems will be installed as range extenders, REX, in the vehicles for tests in China.
- In September 2019, Blue World Technologies announced that it has started construction of its world's largest methanol fuel cell factory at the Port of Aalborg, Denmark. The methanol fuel cell acts a range extender delivering long range, fast refueling with a liquid fuel as well as addressing environmental pollution. The factory anticipates its annual production capacity of 750 kW, which is equivalent to 50,000 fuel cell units.

Thus, rising demand for fuel cell range extenders to be supported by development of new type of range extenders supplementing the growth of overall market.

#### Asia-Pacific to Hold Significant Share in the Market During Forecast Period

Asia-Pacific anticipated to hold significant market share during forecast period. Owing to increasing number of OEMs, majorly in China and Japan, and surging demand for range extenders to offer lucrative opportunities to players as they are focusing on providing EVs with range extenders. In addition, government incentives on the purchase of EV extenders and EVs likely to fuel the growth of the market in this region. For instance,

- In August 2020, China announced that authorities will exempt New vehicles from purchase tax till December 2022 to support the new energy vehicle (NEV) industry - electric vehicles, plug-in hybrid vehicles, and fuel cell vehicles. The government is focusing on raising the requirements for the driving range and power efficiency of cars to qualify for the subsidies.

Besides, this North America also expected to grow at fasterpace over the forecast period owing to growing innovations in market. Lack of charging facilities for EVs to provoke demand for range extenders in market due to its long range reliability. Improved power supplies, increasing use of emerging technologies such as batteries and towable generators and government efforts to support zero emission cars to contribute for overall development of market in region.

#### Electric Vehicle Range Extender Industry Overview

The Electric Vehicle range extender market is moderately consolidated one due to the presence of major players in the market holding majority market shares. Moreover, several companies are focusing on organic growth strategies such as product launches, mergers and acquisitions to strengthen their presence in the market. For instance,

- In March 2019, MAHLE's acquisition of the German transmission specialist ZG-Zahnrad und Getriebe GmbH adds significant extra transmission expertise to MAHLE Powertrain, one of the leading independent specialists in high-efficiency propulsion systems in Europe. This acquisition focuses on enhancing integrated development of entire powertrain, optimizing balance of performance, efficiency, packaging and NVH.

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Some of the major players in the market include Mahle International GmbH, Rheinmetall Automotive, Ceres Power Holdings plc, Ballard Power Systems Inc and among others.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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