

# Germany EV Battery Pack - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2024 - 2029)

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## Abstracts

The Germany EV Battery Pack Market size is estimated at 10.49 billion USD in 2024, and is expected to reach 25.03 billion USD by 2029, growing at a CAGR of 18.99% during the forecast period (2024-2029).

Exponential growth is expected in Germany's adoption of battery electric vehicles, driving significant expansion in the battery pack market

The market studied is expected to grow significantly in the coming years. As of 2021, electric vehicles comprised around 7% of the country's total vehicle fleet, with over 500,000 registered electric vehicles. By 2030, Germany aims to have 7-10 million electric vehicles on the road, leading to a potential sales volume of over 2 million electric vehicles per year. Government regulations, environmental concerns, and the decreasing cost of battery technology drive this shift toward electric vehicles.

With the growing demand for electric vehicles, the battery pack market is also seeing significant growth in Germany. Battery density and range have steadily increased over the years, with some battery packs offering a range of over 600 km on a single charge. Lithium-ion batteries have become the most widely used technology in the market, accounting for over 95% of all electric vehicle battery packs sold. The cost of battery packs has also decreased, reducing around 87% over the past decade. However, battery pack remains a significant barrier to adopting electric vehicles, and further cost reductions are required to make electric vehicles more cost-competitive with their fossil fuel counterparts.

The market studied appears to have a bright future because of continued technological developments and rising demand. Larger battery packs have been developed more often in recent years, and some manufacturers now sell battery packs with capacities of up to 200 kWh. The desire to extend the range of electric vehicles and decrease the charging frequency is driving this development.

## Germany EV Battery Pack Market Trends

### TOP GERMAN EV MANUFACTURERS: VOLKSWAGEN, MERCEDES-BENZ, TESLA, BMW, AND HYUNDAI DOMINATE THE INDUSTRY

The German electric vehicle market has a variety of players and is majorly driven by the five major players, accounting for more than 40% of the market in 2022. Some of the prominent players include Volkswagen, Mercedes-Benz, Tesla, BMW, and Hyundai. Volkswagen is the largest seller of electric vehicles in Germany, accounting for around 10.10% of the market. The company has a strong presence in European countries, including Germany. The company has a wide brand portfolio under its name, with a variety of product offerings in the electric vehicle range. A strong brand image and large customer base have put the brand at the top in Germany.

Mercedes-Benz is the second largest seller of electric vehicles, accounting for around 8.59% market share across Germany. The company offers a variety of range of EVs for premium customers along with a strong service network across Germany serving customers. Third place in EV sales across Germany is acquired by Tesla, with around 7.55% of the market share. The company has strong innovative strategies and offers a wide variety of pure electric cars under its product offerings.

BMW is the fourth largest player, acquiring around 6.72% of the market share in EV sales across Germany. The brand has a strong production and supply chain network and wide innovative and diverse product offerings in hybrid and pure electric vehicles. The fifth-largest player operating in the German EV market is Hyundai, maintaining its market share at around 6.25%. Some of the other players selling EVs in Germany include Audi, Renault, Kia, Seat, and Opel.

## TESLA AND FIAT DRIVE THE GERMAN BATTERY PACK MARKET

The demand for electric vehicles has been growing continuously over the past few years across Germany. It has also increased the demand for batteries in recent years. A variety of brands and various models are being sold in the country. However, a major share was acquired by the top five models in 2022, including Tesla Models Y, Tesla Models 3, Fiat 500, Ford Kuga, and Toyota Yaris. Tesla Model Y maintained its position at the top, with 35,426 units sold in 2022. Model Y is highly popular due to its long-range, good seating capacity, and large cargo capacity.

The Tesla Model 3 took second place with 33,841 sales in Germany in 2022. The car is available in rear-wheel drive and performance versions. Due to its strong performance characteristics, Model 3 is drawing the attention of customers. Fiat 500 took third position in electric car sales, with sales of 29,635 in Germany. The car comes in hybrid and fully electric powertrain options and has highly attracted consumers looking for small electric cars on an affordable budget.

The fourth place in the electric vehicle models' sales is acquired by the Ford Kuga with 28,410 in Germany. The car comes with the option of a hybrid and a plug-in hybrid option. The fifth place is acquired by the Toyota Yaris, selling 26,376 units in 2022 across Germany. Some of the other top-selling models include Volkswagen ID.3, Mitsubishi Eclipse Cross, Seat CUPRA Formentor, Hyundai Kona, and Volkswagen ID.4

### Germany EV Battery Pack Industry Overview

The Germany EV Battery Pack Market is fragmented, with the top five companies occupying 25.03%. The major players in this market are BYD Company Ltd., Contemporary Amperex Technology Co. Ltd. (CATL), LG Energy Solution Ltd., SAIC Volkswagen Power Battery Co. Ltd. and Samsung SDI Co. Ltd. (sorted alphabetically).

Additional Benefits:

The market estimate (ME) sheet in Excel format

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## Contents

### **1 EXECUTIVE SUMMARY & KEY FINDINGS**

### **2 REPORT OFFERS**

### **3 INTRODUCTION**

3.1 Study Assumptions & Market Definition

3.2 Scope of the Study?

3.3 Research Methodology

### **4 KEY INDUSTRY TRENDS**

4.1 Electric Vehicle Sales

4.2 Electric Vehicle Sales By OEMs

4.3 Best-selling EV Models

4.4 OEMs With Preferable Battery Chemistry

4.5 Battery Pack Price

4.6 Battery Material Cost

4.7 Price Chart Of Different Battery Chemistry

4.8 Who Supply Whom

4.9 EV Battery Capacity And Efficiency

4.10 Number Of EV Models Launched

4.11 Regulatory Framework

4.11.1 Germany

4.12 Value Chain & Distribution Channel Analysis

### **5 MARKET SEGMENTATION (INCLUDES MARKET SIZE IN VALUE IN USD AND VOLUME, FORECASTS UP TO 2029 AND ANALYSIS OF GROWTH PROSPECTS)**

5.1 Body Type

5.1.1 Bus

5.1.2 LCV

5.1.3 M&HDT

5.1.4 Passenger Car

5.2 Propulsion Type

5.2.1 BEV

5.2.2 PHEV

## 5.3 Battery Chemistry

- 5.3.1 LFP
- 5.3.2 NCA
- 5.3.3 NCM
- 5.3.4 NMC
- 5.3.5 Others

## 5.4 Capacity

- 5.4.1 15 kWh to 40 kWh
- 5.4.2 40 kWh to 80 kWh
- 5.4.3 Above 80 kWh
- 5.4.4 Less than 15 kWh

## 5.5 Battery Form

- 5.5.1 Cylindrical
- 5.5.2 Pouch
- 5.5.3 Prismatic

## 5.6 Method

- 5.6.1 Laser
- 5.6.2 Wire

## 5.7 Component

- 5.7.1 Anode
- 5.7.2 Cathode
- 5.7.3 Electrolyte
- 5.7.4 Separator

## 5.8 Material Type

- 5.8.1 Cobalt
- 5.8.2 Lithium
- 5.8.3 Manganese
- 5.8.4 Natural Graphite
- 5.8.5 Nickel
- 5.8.6 Other Materials

## **6 COMPETITIVE LANDSCAPE**

### 6.1 Key Strategic Moves

### 6.2 Market Share Analysis

### 6.3 Company Landscape

### 6.4 Company Profiles

- 6.4.1 ARADEX Aktiengesellschaft
- 6.4.2 Automotive Cells Company (ACC)

- 6.4.3 BMZ Batterien-Montage-Zentrum GmbH
- 6.4.4 BYD Company Ltd.
- 6.4.5 Contemporary Amperex Technology Co. Ltd. (CATL)
- 6.4.6 Deutsche ACCUmotive GmbH & Co. KG
- 6.4.7 Dynamis Batterien GmbH
- 6.4.8 Groupe Renault
- 6.4.9 LG Energy Solution Ltd.
- 6.4.10 Monbat AD
- 6.4.11 Robert Bosch GmbH
- 6.4.12 SAIC Volkswagen Power Battery Co. Ltd.
- 6.4.13 Samsung SDI Co. Ltd.
- 6.4.14 SK Innovation Co. Ltd.
- 6.4.15 Valeo Siemens eAutomotive
- 6.4.16 ZF Friedrichshafen AG

## **7 KEY STRATEGIC QUESTIONS FOR EV BATTERY PACK CEOS**

## **8 APPENDIX**

- 8.1 Global Overview
  - 8.1.1 Overview
  - 8.1.2 Porter's Five Forces Framework
  - 8.1.3 Global Value Chain Analysis
  - 8.1.4 Market Dynamics (DROs)
- 8.2 Sources & References
- 8.3 List of Tables & Figures
- 8.4 Primary Insights
- 8.5 Data Pack
- 8.6 Glossary of Terms

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