

Europe Electric Bus Battery Pack - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2024 - 2029)

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Abstracts

The Europe Electric Bus Battery Pack Market size is estimated at 300.9 million USD in 2024, and is expected to reach 483.6 million USD by 2029, growing at a CAGR of 9.95% during the forecast period (2024-2029).

Europe's EV adoption driving growth in the electric bus market, fueled by government incentives and advancing battery technologies

The adoption of EVs in Europe increased significantly from 2017 to 2020, with new registrations reaching 1.4 million in 2020, representing a 137% increase compared to 2017. The European electric bus market is also experiencing growth, with a CAGR of 28.7% predicted from 2020 to 2027. This growth is expected to be driven by government incentives and regulations, such as the European Union's target to reduce CO2 emissions by 55% by 2030, as well as advancements in battery technologies.

The demand for battery packs in BEBs is growing, with increasing battery density and range and declining battery costs. Battery costs have decreased significantly in recent years, in line with the average cost of lithium-ion batteries for electric vehicles declining by 89% from 2010 to 2020. It is expected that battery costs will continue to decline, reaching USD 58/kWh by 2030. Additionally, solid-state batteries offer even higher energy density, faster charging, and improved safety. Such technological advancements are expected to boost the market further.

The future of the European electric bus battery pack market is promising, with continued

technological advancements and new opportunities for growth. For instance, battery electric buses are predicted to save over 900 million liters of diesel annually in Europe by 2030. The integration of battery storage systems with renewable energy sources, such as solar and wind, is a recent trend that has created "smart grids" capable of balancing energy supply and demand. The development of solid-state batteries and the exploration of new battery chemistries offer exciting opportunities for the battery pack industry in the European electric bus market.

Germany leads the market with a significant value increase, supported by government support and the automotive industry

The European electric bus battery pack market is a dynamic and growing market. The market is expected to continue to grow in the coming years, driven by the increasing adoption of EVs and the declining cost of battery packs. In addition to the factors mentioned above, several other factors are expected to drive the growth of the European electric vehicle battery pack market in the coming years.

Germany stands out as a leading player in the market, with a remarkable increase in value over the years. This growth can be attributed to various factors, such as government support for electric vehicles, rising consumer demand for EVs, and advancements in battery technology. Germany's robust automotive industry, combined with substantial investments by major automakers in electric vehicle production, has significantly contributed to the surge in demand for battery packs.

France, another prominent European country, has witnessed notable growth in the battery pack market. France's commitment to promoting the adoption of electric vehicles through favorable policies and incentives has played a significant role in driving the growth of the battery pack market. Italy, exhibiting slower growth compared to Germany and France, has still experienced an upward trend in the battery pack market. Factors such as increasing consumer awareness of electric vehicles, government incentives, and technological advancements have contributed to the market's growth in Italy. As the demand for electric vehicles continues to rise, battery packs are expected to play a crucial role in supporting the transition toward sustainable mobility in Italy.

Europe Electric Bus Battery Pack Market Trends

TOYOTA GROUP LEADS THE EUROPEAN EV MARKET, FOLLOWED BY RENAULT,

TESLA, KIA, AND BMW

The market for electric vehicles in various European countries is growing significantly, with numerous players operating, but it is largely driven by five major companies, which held more than 50% of the market in 2022. These companies include Toyota Group, Kia, Renault, Tesla, Kia, and Volkswagen. Toyota Group is the largest seller of electric vehicles in Europe, accounting for around 14.84% share of the electric car market. The company has a strong supply and distribution network catering to the demand and supply of customers in various European countries. The company has a wide product portfolio offering in the EV market.

Renault holds a market share of around 7.47%, making it the second-largest seller of electric vehicles across Europe. The company has a good brand image and a strong financial position. The company has alliances and strategic partnerships with good brands such as Nissan. The 3rd highest market share, 6.71%, for electric vehicle sales was recorded by Tesla. The business focuses on cutting-edge innovations and has solid strategic alliances with producers of several EV parts, including batteries.

The 4th largest place in European EV sales is Kia, accounting for around 6.26% of the market share. The company has wide product offerings for various types of customers with various budget-friendly options compared to other brands. The 5th largest player operating in the European EV market is BMW, maintaining its market share at around 6.14%. Some of the other players selling EVs in various European countries include Hyundai, Mercedes-Benz, BMW, Audi, and Ford.

Tesla and Renault are the largest contributors to the demand for battery packs, as a result of the widespread sale of EVs in Europe in 2022

The demand for electric vehicles has dramatically increased during the past several years in every part of Europe. Electric vehicles are now more prevalent on European roadways. Although consumer interest in buying electric vehicles varies by area and by country, SUVs are the most popular type of electric vehicle in Germany and the United Kingdom, the region's two biggest markets for electric vehicles. The demand for electric SUVs is outpacing that for sedans in various European countries due to the increased interest in comfortable transportation and the fact that SUVs are roomier than sedans.

The number of compact SUVs purchased by consumers has increased dramatically

across Europe. The Tesla Model Y offers a fully electric motor, a 5-star NCAP safety certification, spacious seating for up to 7 passengers, a long-range, and other features. It became one of the most popular models in several major European markets, including the United Kingdom and Germany, in 2022. The Renault Arkana provides a full hybrid engine, which has received a strong sales reaction from customers in several European nations like France due to its fuel efficiency and competitive pricing.

Captur was one of the best sellers from Renault in the European countries in 2022, owing to its offering of a hybrid and a plug-in hybrid powertrain, and is packed with lots of features attracting buyers. The European EV market also features a variety of electric SUVs and sedans from various international brands. One of the common cars is the Toyota Yaris and Ford Kuga, which recorded good sales in 2022. Other cars in the European EV market that are in the competition include the Fiat 500 and Toyota Yaris Cross.

Europe Electric Bus Battery Pack Industry Overview

The Europe Electric Bus Battery Pack Market is fairly consolidated, with the top five companies occupying 72.95%. The major players in this market are Akasol AG, BYD Company Ltd., Contemporary Amperex Technology Co. Ltd. (CATL), Microvast Holdings Inc and NorthVolt AB (sorted alphabetically).

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