

Europe Electric Bus Charging Station Market: Market Segments: ByType (Depot Charging, Opportunity Charging);By Power (450 kW);By Charger (Off-Board, On-Board); and Region – Analysis of Market Size, Share & Trends for 2014 – 2019 and Forecasts to 2030

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Abstracts

Product Overview

Supporting government initiatives and schemes, and growing investment towards charging station infrastructure, propelling the growth of the European electric bus charging station market. For the reason of these advantages, policymakers have set goals to increase adoption, such as the Netherlands mandating 100% sales of public transport buses with zero-emission vehicles (ZEV) by 2025, followed by 100% of the ZEV fleet by 2030, replacing all fossil fuel vehicles. At the regional level, cities, regions, manufacturers, and transport organizations endorsed a common ambition to accelerate the rollout of clean buses, formalized by the signing of the European Clean Bus Deployment Initiative. Government funding for electric vehicles, a growing need to minimize greenhouse gas emissions, and technical developments are driving the market growth.

Market Highlights

Europe Electric Bus charging station Market to surpass USD 0.314 million by 2030 from USD 1.914 million in 2018 at a CAGR of 20.28% throughout the forecast period, i.e. 2019-30.

The major factors driving the growth of the market are the availability of government schemes and regulations, the rise in uptake of electric buses in the public fleet, and increasing investment toward electric bus charging infrastructure. Enormous inflows of investment for developing the charging station infrastructure are being witnessed by the European electric bus charging station market. Electric buses are being increasingly

adopted in many countries as they have become affordable due to the implementation of different subsidy schemes. For instance, in 2018, the Federal Ministry for the Environment, Nature Conservation, and Nuclear Safety of Germany created an \$82.7 million fund to encourage public transport operators to invest in electric and plug-in electric buses.

Europe Electric Bus Charging Station Market: Segments

Opportunity charging segment to grow with the highest CAGR of XX.X% during 2019-30 European electric bus charging station market is categorized by depot charging, opportunity charging, and others. Among these, the opportunity charging category held the largest market share in terms of sales volume, in 2018. However, during the forecast period, the depot charging category is expected to witness the fastest growth, owing to the growing preference of public and private agencies toward overnight charging buses, as they have more similar operational characteristics to a diesel bus. The ease of functions offered by this type of charging is driving the category's growth. These chargers not only reduce the downtime for charging but also hasten the overall charging process, thereby resulting in the longer operating hours of the vehicle.

Off-Board Charger segments to grow with the highest CAGR of XX.X% during 2019-30 Europe Electric Bus market is segmented into depot charging, opportunity charging, and others. Among these, the opportunity charging category held the largest market share in terms of sales volume, in 2018. However, during the forecast period, the depot charging category is expected to witness the fastest growth, owing to the growing preference of public and private agencies toward overnight charging buses, as they have more similar operational characteristics to a diesel bus.

Europe Electric Bus Charging Station Market: Market Dynamics

Drivers

Favorable government policies

European electric bus charging station market has been driven by several key factors, predominantly increasing government funding schemes, and increasing government plans for electrification of public transport. Also, governments are undertaking key initiatives to opt for green energy-driven vehicles. The policies related to electric buses in the EU are mainly focused on technological optimization and market development. For instance, the European Commission supported a Europe-wide electromobility initiative, Green eMotion in partnership with forty-two partners from industry, utilities, electric vehicle manufacturers, municipalities, universities, and technology, and

research institutions.

Increase in the Number of Electric Buses and E-mobility Services

E-mobility is currently seen as the most promising technology to reduce exhaust emissions in transportation. Electric buses are replacing conventional diesel-fueled buses at an accelerating rate that is outpacing the adoption of battery-powered cars. The rise in the uptake of electric buses in the public fleet of Europe is acting as a major driver. The government sector uses buses for public transport, military, transit services, and other purposes. Various countries across the region are focusing more on increasing the number of electric buses in their transportation systems. Moreover, local governments in the countries are adopting electric buses into their municipal or public transit fleets.

Restraints

High cost of Installation

The cost of installation and maintenance of an electric bus charging station is high, which is limiting the growth of the European electric bus charging station market. With very high-power levels used to charge electric buses, the AC/DC conversion and the power conditioning and control circuits require heavy-duty components, which make the station very expensive and large. The electricity-generating utility must provide a dedicated supply line capable of delivering the high current demand for charging electric buses. These increase the installation cost of the station, which may restrain the growth of the market.

Europe Electric Bus Charging Station Market: Regions

Europe Electric Bus Charging Station Market is segmented based on regional analysis into major countries. These include the U.K., Germany, the Netherlands, Lithuania, Austria, Belgium, Poland, Sweden, Spain, and France. Europe Electric Bus charging station Market in Germany held the largest market share of XX.X% in the year 2018. U.K. held the largest market share in the region during the historical period, in terms of volume. This is due to the fact that the U.K. is intensively focusing on establishing a green mobility solution, thereby accelerating the electrification of its public transit fleets. Additionally, the faster adoption rate of electric vehicles in the country, supported by the government in form of financial and non-financial incentives for the procurement of these vehicles as well as developing related infrastructure are other factors driving the growth of the U.K. market. Moreover, Countries across the region are highly motivated to include more electric buses in their transportation systems. For instance, the Netherlands' national plan, named Green Deal, plans to electrify the entire public transport fleet of more than 5,000 buses by 2025.

Europe Electric Bus Charging Station Market is further segmented by region into:
UK Market Size, Share, Trends, Opportunities, Y-o-Y Growth,
Germany Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR
France Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR
Sweden Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR
Spain Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR
Rest of Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR
Europe Electric Bus Charging Station Market: Key Players

Bombardier Inc.

Company Overview

Business Strategy

Key Product Offerings

Financial Performance

Key Performance Indicators

Risk Analysis

Recent Development

Regional Presence

SWOT Analysis

Schunk Carbon Technology

Ekoenergetyka-Polska Sp. z o.o.

Heliox B.V.

JEMA Energy S.A.

Powerdale NV

Other Prominent Players

Europe Electric Bus Charging Station Market report also contains analysis on:

Europe Electric Bus Charging Station Market Segments:

By Type

Depot Charging

Opportunity Charging

Others

By Charger

Depot Charging

On-Board

By Power

450 kW

Europe Electric Bus Charging Station Market Dynamics

Europe Electric Bus Charging Station Market Size
Supply & Demand
Current Trends/Issues/Challenges
Competition & Companies Involved in the Market
Value Chain of the Market
Market Drivers and Restraints

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18. SCHUNK CARBON TECHNOLOGY

19. BOMBARDIER INC.

Consultant Recommendation

**The above-given segmentation and companies could be subjected to further modification based on in-depth feasibility studies conducted for the final deliverable.

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