

Global Airport Electric Vehicle Charging Station Market Size study, by Mode of Charging (Plug-in charging, Wireless charging), by Charging Level (Level 2, Level 3), by Product Type (Standing Type, Wall Mounted Type, Wireless Pad) and Regional Forecasts 2022-2032

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Abstracts

The Global Airport Electric Vehicle Charging Station Market is valued at approximately USD 273.30 million in 2023 and is anticipated to grow with a healthy growth rate of more than 23.22% over the forecast period 2024-2032. Airport electric vehicle charging stations are essential components in modern transportation infrastructure, providing the necessary support for electric vehicles (EVs) at airports. These stations, also known as electric vehicle supply equipment (EVSE), enable the recharging of EVs through a connection to an electrical source, offering various levels of charging, including Level 2 and Level 3, to meet diverse requirements. The growing demand for electric vehicles, driven by global initiatives to reduce emissions and promote sustainable transportation, has significantly propelled the expansion of airport EV charging stations. Furthermore, advancements in charging technologies, such as vehicle-to-grid (V2G) systems and the development of cost-effective solutions, present significant growth opportunities for the market during the forecast period.

The increasing production and adoption of electric vehicles, fueled by government incentives and environmental regulations, are primary drivers for the market's growth. Governments worldwide are implementing measures to encourage the use of electric vehicles, leading to a higher demand for EV charging infrastructure. For instance, in the U.S., President Joe Biden's administration has proposed substantial investments in the development of EV charging stations, aiming to install 500,000 charging stations

nationwide by 2030, including in airport areas. Additionally, collaborations between car rental companies and oil and gas corporations are further enhancing the deployment of EV charging stations at airports, supporting the market's expansion. However, the market faces challenges such as the high cost of establishing EV charging infrastructure and the lack of standardization across current EV charging systems. These factors can impede the widespread adoption and installation of charging stations.

Key regions considered for the global airport electric vehicle charging station market study include North America, Europe, Asia Pacific, Latin America, and Middle East & Africa. North America dominates the market in terms of revenue, driven by government initiatives, collaborations for EV infrastructure development, and increasing investments in sustainable transportation solutions. The region leads in adopting sustainable transportation solutions and has a robust infrastructure supporting electric vehicles. Major airports across the United States and Canada have been proactive in installing EV charging stations to cater to the increasing number of electric vehicles used for airport operations, rental fleets, and passenger vehicles. Moreover, North America benefits from supportive government policies and incentives aimed at promoting electric vehicle adoption and infrastructure development. These initiatives encourage airports to invest in charging infrastructure, thereby enhancing convenience for travelers and reducing carbon emissions associated with ground transportation services. Furthermore, Asia Pacific is expected to grow fastest during the forecast period 2024-2032.

The major players included in the report are:

ABB Ltd.

Blink Charging Co.

Delta Electronics, Inc.

Electroair OU

General Electric Company

Siemens AG

Webasto Group

Eves LLC

Plugless Power Inc.

Ningbo Dekon New Energy Co., Ltd.

Tesla Inc.

Schneider Electric

ChargePoint, Inc.

EVBox Group

ClipperCreek, Inc.

The detailed segments and sub-segment of the market are explained below:

By Mode of Charging:

Plug-in Charging

Wireless Charging

By Charging Level:

Level 2

Level 3

By Product Type:

Standing Type

Wall Mounted Type

Wireless Pad

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of Latin America

Middle East & Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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