

# EV Charging Station Market Accelerates on Green Mobility Wave – A USD 226.3 Billion Opportunity by 2031

*Rise in adoption of electric vehicles and supportive government initiatives drive the global electric vehicle charging station market.*

WILMINGTON, NEW CASTLE, DE, UNITED STATES, June 20, 2025

/EINPresswire.com/ -- According to a

recent report published by Allied

Market Research, titled, "Global Electric Vehicle Charging Station Market

Opportunities and Forecast, 2021 - 2031"

the global electric vehicle charging station market is expected to reach

USD 226.3 billion by 2031, growing at a CAGR of 30.5% during the forecast period.

Asia-Pacific is expected to dominate the global market during the forecast period. An increase in electric vehicle population and a rise in vehicle standards fuel the growth of the Asia-Pacific electric vehicle charging station market. Moreover, various technological advancements related to electric vehicles are taking place, due to government initiatives, which further propel the market growth.

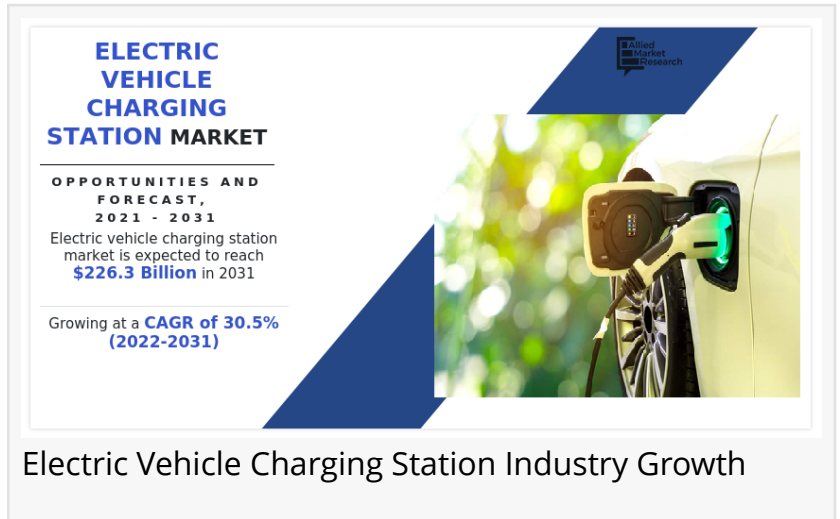
According to the report, "Global Electric Vehicle Charging Station Market Opportunities and Forecast, 2021 - 2031," the global [electric vehicle charging station market](#) was valued at \$16.6 billion in 2021 and is projected to reach \$226.3 billion by 2031, growing at a CAGR of 30.5% during the forecast period.

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For more information, please visit at - <https://www.alliedmarketresearch.com/request-sample/17811>

China is taking continuous efforts in improving the electric vehicle charging infrastructure. For instance, China installed 284,000 public EV charging outlets in 2020, including 112,000 in December alone. China had over 800,000 publicly available EV charging outlets installed at the end of 2020 – up from 516,000 in 2019 and 300,000 in 2018. In Japan, automobile industry giants are forming partnerships to expand electric vehicle charging stations network across Japan, which supplements the market growth. For instance, in April 2022, Porsche Japan and Audi Japan formed a premium charging alliance business partnership to expand the 150kW rapid charging



stations across Japan. This alliance will enable Porsche and Audi owners to utilize the 50 Porsche Turbocharger units at 41 locations and the 52 units nationwide from Audi Japan, by the end of 2022.

The [growth of the global electric vehicle charging station market](#) is propelling, due to rise in adoption of electric vehicles owing to government initiatives. However, high cost of electric vehicle charging infrastructure, and lack of standardization of current EV charging infrastructure are the factors hampering the growth of the market. Furthermore, incorporation of vehicle-to-grid (V2G) EV charging stations is the factor expected to offer growth opportunities during the forecast period.

ABB Ltd.

Webasto Group

Siemens AG

Schneider Electric SE

Eaton Corporation PLC

Delta Electronics Inc.

BorgWarner Inc.

General Electric Company

Plugless Power Inc.

Robert Bosch GmbH

AeroVironment Inc.

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By mode of charging, the plug-in charging segment held the largest share in 2021, accounting for more than four-fifths of the global electric vehicle charging station market, and is estimated to dominate the global wireless video surveillance market throughout the forecast period. The majority of electric vehicle stations are equipped with AC level 1 or 2 charging systems. These systems are preferred for charging electric vehicles at home as well as commercial areas. Charging stations at workplaces or different public locations may further strengthen the market for plug-in electric vehicle charging solutions for residential and commercial charging stations. However, the wireless charging segment is expected to register the highest CAGR of 33.5% during the forecast period, as wireless charging offers flexible operation for broad range of vehicles.

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By charging level, the level 3 segment is expected to register the highest CAGR of 34.9% during the forecast period, as level 3 charging systems require expensive hardware, making their installations primarily suitable at public station only. However, the level 2 segment held the largest share in 2021, contributing to more than four-fifth of the global EV charging station market, as this type of charging equipment is compatible with all the plug-in electric vehicles and electric vehicles.

By end user, the residential segment dominated the market in 2021, accounting for more than three-fourths of the global EV charging station market, and is expected to continue its dominance from 2022 to 2031. Many drivers or owners of electric vehicles and plug-in hybrid electric vehicles charge their vehicles overnight at home using AC level 1 or AC level 2 chargers. However, the commercial segment is estimated to showcase the highest CAGR of 35.9% during the forecast period. commercial charging stations are usually installed at workplaces, hotels, shopping malls, airports, business parks, and retail outlets. In addition, DC quick chargers are preferable at short-stop locales such as drugstores or convenience stores, as consumers make short stops at these places.

By region, [the market across Asia-Pacific dominated the market](https://www.alliedmarketresearch.com/purchase-enquiry/17811) in 2021, holding more than two-fifths of the global electric vehicle charging station market, and is expected to dominate in terms of revenue during the forecast period. This is due to higher adoption rates of smart mobility services, government regulations, increase in fuel prices, and rise in trend toward adopting non-fossil fuel-based vehicles. However, the market across Europe is projected to manifest the highest CAGR of 33.1% during the forecast period, due to government initiatives to reduce the emission of harmful gases from internal combustion engine vehicles and advent of new range of electric vehicle.

By mode of charging, the wireless charging segment is anticipated to exhibit significant growth in the near future. By charging level, the level 3 segment is anticipated to exhibit significant growth in the near future.

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## KEY FINDINGS OF THE STUDY

By mode of charging, the wireless charging segment is anticipated to exhibit significant growth in the near future.

By charging level, the level 3 segment is anticipated to exhibit significant growth in the near future.

By end-user, the commercial segment is anticipated to exhibit significant growth in the near future.

By region, Europe is anticipated to register the highest CAGR during the forecast period.

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<https://www.alliedmarketresearch.com/electric-vehicle-charging-systems-market> - Global Opportunity Analysis and Industry Forecast, 2021-2030

<https://www.alliedmarketresearch.com/off-highway-electric-vehicle-market-A08770> - Global Opportunity Analysis and Industry Forecast, 2021 - 2031

<https://www.alliedmarketresearch.com/solar-carport-charging-station-market-A07888> - Global Opportunity Analysis and Industry Forecast, 2023-2032

<https://www.alliedmarketresearch.com/electric-vehicle-charging-station-infrastructure-market> - Global Opportunity Analysis and Industry Forecast, 2023-2032

David Correa

Allied Market Research

+ 1800-792-5285

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