

Electric Vehicle Charging Connector Market is Poised to Generate CAGR of 17.0% during 2023-2032 | Allied Market Research

As electric vehicles (EVs) become more prevalent, there is a growing need for faster charging options to address the issue of range anxiety.

WILMINGTON, NEW CASTLE, DE, UNITED STATES, November 26, 2024 /EINPresswire.com/ -- According to a new report published by Allied Market Research, titled, "<u>Electric Vehicle</u> <u>Charging Connector Market</u>," The electric vehicle charging connector market size was valued at \$59.3 million



Electric Vehicle Charging Connector Industry

in 2022, and is estimated to reach \$273.2 million by 2032, growing at a CAGR of 17% from 2023 to 2032.

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An electric vehicle (EV) charging connector is a device that is used to connect an EV to a charging station or a power source to charge its battery. It is essentially the interface that allows the transfer of electrical energy from the charging infrastructure to the vehicle. An electric vehicle charging connector is an essential component that facilitates the transfer of electricity from a charging station to an electric vehicle (EV) for the purpose of charging its battery. It serves as a physical connection point where the charging station and the EV can establish an electrical link.

Charging connectors come in different types and standards, depending on the region, the charging infrastructure, and the type of electric vehicle. The most common types include Type 1 (J1772), Type 2 (Mennekes), CHAdeMO, and CCS (Combined Charging System). Each connector type has its own specific design, pin configuration, and communication protocols.

The charging connector typically consists of a plug on one end, which is inserted into the charging port of the EV, and a socket on the other end, which is connected to the charging station. The plug and socket are designed to securely fit together and ensure a safe and efficient

transfer of electricity. Modern charging connectors often incorporate additional features such as locking mechanisms to prevent accidental disconnections, communication interfaces for data exchange between the vehicle and the charging station, and advanced safety features like ground fault protection.

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Amphenol Corporation Tesla Robert Bosch GmbH Siemens Yazaki Corporation ABB TE Connectivity Schneider Electric Sumitomo Corporation Fujikura

Based on type, the CCS segment held the highest market share in 2022, accounting for nearly two-fifths of the global electric vehicle charging connector market revenue. The combined charging system (CCS) has been <u>widely accepted as the standard charging system by major</u> <u>automakers</u>, including Volkswagen, BMW, Ford, General Motors, and many others. This broad adoption has helped establish CCS as a dominant charging solution in the EV market. On the other hand, the Chademo segment is estimated to maintain its leadership status in terms of revenue throughout the forecast period. However, the Tesla segment is projected to manifest the highest CAGR of 21.9% from 2023 to 2032, as it is the most trusted connector in North America, having completed over 20 billion EV charging miles, along with being a Tesla-exclusive connector used in their electric automobiles.

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Based on end user, the residential segment held the highest market share in 2022, accounting for nearly three-fourths of the global electric vehicle charging connector market revenue, and is estimated to maintain its lead position throughout the forecast period. Residential charging connectors allow electric vehicle owners to conveniently and safely charge their vehicles at home, providing a reliable and accessible charging solution for daily use. However, the commercial segment is projected to manifest the highest CAGR of 17.8% from 2023 to 2032, as commercial connectors play a crucial role in enabling EV owners to charge their vehicles while away from home, providing them with the flexibility to travel longer distances and rely on public charging infrastructure for convenient recharging options.

Based on region, Asia-Pacific held the highest market share in 2022, accounting for more than two-fifths of the global electric vehicle charging connector market revenue, and is estimated to maintain its dominance throughout the forecast period. This is due to the rapid growth in the sales of electrical vehicles, due to which there is a growth in the electric vehicle charging connector market. The rise in sales is due to the government incentives in the various regions and the developments made by the various manufacturers. However, North America is projected to manifest the highest CAGR of 19.1% from 2023 to 2032, owing to the rise in the price of oil in recent years, which increases the long-term cost benefits of electrical vehicles.

By type, the Tesla segment dominated the <u>EV charging connector market in terms of growth</u> <u>rate</u>.

By charging level, the level 3 segment is anticipated to exhibit a remarkable growth during the forecast period.

By charging speed, the fast charging segment is anticipated to exhibit a remarkable growth during the forecast period.

On the basis of end user, the commercial segment is anticipated to exhibit a remarkable growth during the forecast period.

By region, the North America region is anticipated to exhibit a remarkable growth during the forecast period.

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David Correa Allied Market Research +1 800-792-5285 email us here Visit us on social media: Facebook X

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