

# Smart EV Charger Market Size Worth \$17.97 Billion by 2029 - Exclusive Report by The Business Research Company

*The Business Research Company's Smart EV Charger Global Market Report 2025 – Market Size, Trends, And Global Forecast 2025-2034*

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/EINPresswire.com/ -- How Much Is The Smart EV Charger Market Worth?

The value of the [smart EV charger industry](#) has drastically increased within the last few years. A rise from \$5.85 billion in 2024 to \$7.34 billion in 2025, with a compound annual growth rate (CAGR) of 25.5% is projected. The notable growth during this historical period is due primarily to heightened residential EV adoption, increased government incentives for home charging, the rise

in AC level 2 charger installations, the advancement of smart charging pilot initiatives, escalating concerns about grid stability, and augmented investment in the integration of renewables.

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The size of the smart EV charger market is predicted to significantly increase in the forthcoming years, reaching a value of \$17.97 billion in 2029 with a Compound Annual Growth Rate (CAGR) of 25.1%. The projected expansion during this period would be due to the advancement of high power fast charging, the surge in demand for bi-

directional charging, the increasing adoption of AI-enhanced charge optimization, the rise of connected vehicle systems, and the development of smart urban infrastructure. Key anticipated trends in this period involve progress in grid-interactive charging technologies, the invention of wireless smart charging mechanisms, strides in ultra-fast power modules, investigations into V2G and V2H capabilities, and the incorporation of blockchain-enabled charge authentication.

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### What Are The Factors Driving The Smart EV Charger Market?

The focus on renewable energy solutions is anticipated to drive the smart EV charger market's expansion in the future. Renewable energy solutions relate to the use of non-polluting, renewable, and low-emission energy systems that lessen the environmental impact and diminish long-term reliance on fossil fuels. The importance of renewable energy is rising due to global decarbonization targets and government-guided green transition strategies aimed at reducing greenhouse gas output. Smart EV chargers back this trend by facilitating intelligent energy distribution, optimized charging, renewable energy integration, and grid load management, thereby connecting EV charging with wider environmental objectives. For example, as per the U.S. Energy Information Administration (EIA), a U.S. federal government statistical agency, in June 2024, renewable power constituted 22% of the total U.S. generation in 2023, a bump from 21% in 2022, indicating a sustained rise in clean energy use. So, the increased importance of renewable energy solutions is propelling the smart EV charger market's growth.

### Who Are The Major Players In The Smart EV Charger Market?

Major players in the Smart EV Charger Global Market Report 2025 include:

- Huawei Technologies Co. Ltd.
- Tesla Inc.
- Siemens AG
- Schneider Electric SE
- ABB Ltd.
- Eaton Corporation plc
- TE Connectivity Ltd.
- Delta Electronics Inc.
- Tata Power Delhi Distribution Limited
- OVO Energy Limited.

### What Are The Key Trends And Market Opportunities In The Smart EV Charger Sector?

Leading organizations in the smart EV charger market are concentrating on technological advancements like data-driven optimization to increase charging efficiency, enhance customer satisfaction, forecast demand trends, and maintain reliable network performance across numerous sites. Data-driven optimization in EV charging involves the application of real-time and historical data to predict energy requirements, fine-tune charging timetables, and improve the efficiency of the entire system. For example, Ford Motor Company, an American car manufacturer, inaugurated the Ford Charge DC Fast Charging Network in August 2025, starting with about 1,200 fast chargers established at more than 320 Ford dealerships in the United States and Canada. These chargers are equipped with smart features such as app-enabled activation, digital payment gateways, and real-time performance tracking to boost operational efficiency and customer convenience. This effort not only extends Ford's charging infrastructure but also illustrates the application of data-driven technologies in maximizing charging procedures, propelling EV adoption, and catering to the increasing need for eco-friendly transport.

Which Segment Accounted For The Largest Smart EV Charger Market Share?

The smart ev charger market covered in this report is segmented –

- 1) By Type, Alternating Current Chargers, Direct Current Chargers, Wireless Chargers
- 2) By Connectivity, Wi-Fi Enabled, Bluetooth Enabled, Other Connectivity Features
- 3) By Charging Power, Low Power, Medium Power, High Power
- 4) By End-User, Commercial Charging Station, Passenger Charging Unit

Subsegments:

- 1) By Alternating Current Chargers: Slow Charging, Fast Charging, Rapid Charging
- 2) By Direct Current Chargers: Fast Charging, Ultra Fast Charging, High Power Charging
- 3) By Wireless Chargers: Inductive Charging, Resonant Charging, Dynamic Charging

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<https://www.thebusinessresearchcompany.com/report/smart-ev-charger-global-market-report>

What Are The Regional Trends In The Smart EV Charger Market?

In the 2025 Smart EV Charger Global Market Report, North America is earmarked as the leading region from the previous year, with Asia-Pacific projected as the future fastest-growing in the sector. The report encapsulates market data from regions including Asia-Pacific, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa.

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