

Electric Vehicle Charging Station Market Size & Share Analysis - Growth Trends and Forecast (2026 - 2031)

> **Industry:** Electric Vehicles & Clean Mobility (Automotive & Transportation)

> **Source:** <https://www.mordorintelligence.com/industry-reports/electric-vehicles-charging-stations-market>

> **Scraped Date:** 2026-09-17

Executive Market Summary

Market Metric	Details
:---	:---
Base Market Size	USD 112.55 billion
Projected Forecast (2031)	USD 112.55 billion
Growth Rate (CAGR)	20.85 %
Largest Market Region	N/A
Fastest-Growing Region	N/A

Market Visualizations & Infographics

![Major players in Electric Vehicle Charging Station industry](images/chart_2.png)

![Electric Vehicle Charging Station Market Size](images/chart_3.png)

![Electric Vehicle Charging Station Market Share by Vehicle Type, 2025](images/chart_4.png)

![Electric Vehicle Charging Station Market Share by Installation Site, 2025](images/chart_5.png)

![Electric Vehicle Charging Station Market Growth Rate by Region](images/chart_6.png)

![Electric Vehicle Charging Station Market Concentration](images/chart_7.png)

![footer background image](images/chart_10.png)

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![ESOMAR](images/chart_17.png)

![GPTW](images/chart_19.png)

Comprehensive Research Analysis

Overview Points List Flex 49 Share Feature End

Market Overview

Study Period
|

2019 - 2031
|

Market Size (2026)
|

USD 43.66 Billion
|

Market Size (2031)
|

USD 112.55 Billion
|

Growth Rate (2026 - 2031)
|

20.85 %
|

Fastest Growing Market
|

Europe
|

Largest Market

|

Asia Pacific

|

Market Concentration

|

Medium

|

Major Players

*Disclaimer: Major Players sorted in no particular order

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Market Overview

Electric Vehicle Charging Station Market Analysis by Mordor Intelligence

The Electric Vehicle Charging Station Market size was valued at USD 36.13 billion in 2025, is estimated at USD 43.66 billion in 2026, and is projected to reach USD 112.55 billion by 2031, growing at a CAGR of 20.85% from 2026-2031. Continuous policy pressure to phase out internal-combustion engines, steep declines in battery costs that bring total ownership parity closer, and the rollout of highway fast-charging corridors that neutralize range anxiety are the core forces keeping demand on a steep climb. Large fleet operators are locking in multi-year electrification targets, guaranteeing high charger utilization, while vehicle-to-grid business models create additional revenue layers that lift project returns. Asia-Pacific still accounts for most installations, but Europe now shows the fastest incremental growth, driven by cross-border network alliances. In North America, the NEVI Formula Program and the opening of Tesla's Supercharger system to other brands accelerate deployment while raising baseline technology expectations. Meanwhile, energy majors like Shell are closing petroleum stations and reallocating capital toward high-power chargers, signaling a strategic shift that intensifies competition.

Key Report Takeaways

- * By vehicle type, passenger cars led with 88.45% of the electric vehicle charging station market revenue share in 2025, while commercial vehicles are projected to expand at a 52.20% CAGR through 2031.
- * By charger type, DC charging stations captured 77.95% of the electric vehicle charging station market revenue in 2025, and are expected to grow at a 53.10% CAGR to 2031.
- * By ownership model, public infrastructure accounted for 67.55% of the electric vehicle charging station market size in 2025 and is advancing at a 27.40% CAGR through 2031.
- * By installation site, destination/retail locations accounted for 43.05% of the electric vehicle charging station market revenue in 2025, while highway/transit sites registered the fastest CAGR at 44.10% through 2031.
- * By connector standard, CCS led with 35.95% of the electric vehicle charging station market revenue share in 2025, while wireless charging recorded the highest CAGR at 37.90% through 2031.
- * By region, Asia-Pacific dominated, with 60.10% of the electric vehicle charging station market share in 2025; Europe is forecast to post the fastest CAGR at 4

0.50% through 2031.

Key Market Trends

Market Trends and Insights

Drivers Impact Analysis of Electric Vehicle Charging Station Market*

- Driver |
- (~) % Point Impact on Market CAGR |
- Geographic Relevance |
- Impact Timeline |

Government-Backed Zero-Emission Mandates and ICE-Ban Timelines

+4.2%
|

Global, with Early Gains in EU, California, China
|

Medium Term (2-4 Years)
|

Falling Battery USD/kWh Driving TCO Parity

|

+3.8%
|

Global, Accelerated in North America and Asia-Pacific
|

Short Term (≤ 2 Years)

Global Build-Out of Highway Fast-Charging Corridors

|

+3.1%

North America and EU Core, Spill-Over to Asia-Pacific

Medium Term (2–4 Years)

Surging Fleet-Electrification Commitments from Logistics Giants

|

+2.9%
|

Global, Concentrated in Urban Freight Corridors
|

Long Term (≥ 4 Years)
|

Grid-Services Monetisation (V2G/V2X) Business Models

|

+2.4%
|

EU and California Leading, Expanding to Asia-Pacific

Long Term (≥ 4 Years)

AI-Optimised Charger Siting Improving Utilisation Rates

|

+1.8%

North America and EU, Early Adoption in China

Short Term (≤ 2 Years)

Source: Mordor Intelligence

|

Competitive Landscape

Competitive Landscape

Competition intensifies as oil majors, utilities, and tech firms converge on the electric-vehicle charging-station market. Tesla still operates roughly one-third of the United States' public fast chargers, yet its relative dominance is challenged by IONNA and ChargePoint's expansions. In Europe, the Spark Alliance creates immediate scale advantages that raise the bar for standalone networks.

Shell's closure of 1,000 petrol stations in 2024 underscored its strategic shift from liquid fuels toward electrons. ABB E-mobility's 2025 launch of the MCS1200 megawatt charger and modular ChargeDock targeted 99% uptime, signaling that reliability had become a key differentiator. Siemens, Schneider Electric, and Eaton are integrating bidirectional inverters and onsite storage to secure utility tenders that require grid-service compatibility.

Fragmentation persists, particularly in China, where state-owned enterprises and startups vie for municipal contracts. However, cross-licensing of connector patents and joint purchasing of silicon-carbide components suggest that consolidation economics are taking hold. Cybersecurity readiness has emerged as a selection criterion following Southwest Research Institute's demonstration of plaintext vulnerabilities in several fast-charger models. Operators that pass rigorous penetration tests secure priority positions in fleet-procurement frameworks.

Electric Vehicle Charging Station Industry Leaders

*

Tesla Inc.

*

ABB Ltd.

*

ChargePoint Inc.

*

Siemens AG

*

BYD Motors Inc.

*

*Disclaimer: Major Players sorted in no particular order

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Scope Methodology P Space

This market covers revenue generated from electric vehicle charging stations and related charging infrastructure used to recharge plug-in vehicles, across public and private deployments. We treat the market as the combined value of charging hardware and the associated charging service activity captured at the station level.

Scope exclusions: It excludes vehicle sales and grid generation assets, and it does not count non-charging energy equipment that is not installed for EV charging use.

Segmentation Container

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By Vehicle Type

*

Passenger Cars

*

Commercial Vehicles

*

Buses and Coaches

*
By Charger Type

*
AC Charging Station

*
DC Charging Station

*
By Ownership Model

*
Public

*
Private – Residential

*
Private – Fleet/Workplace

*
By Installation Site

*

Home

*

Destination/Retail

*

Highway/Transit

*

Fleet Depot

*

By Connector Standard

*

CCS (Combined Charging System)

*

CHAdeMO

*
GB/T

*
Tesla NACS

*
Wireless

*
By Geography

*
North America

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United States

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Canada

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Rest of North America

*
South America

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Brazil

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Chile

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Rest of South America

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Europe

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Germany

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United Kingdom

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France

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Norway

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Italy

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Spain

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Netherlands

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Poland

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Austria

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Russia

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Rest of Europe

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Asia-Pacific

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China

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Japan

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India

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South Korea

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Indonesia

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Vietnam

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Philippines

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Australia

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New Zealand

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Rest of Asia-Pacific

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Middle East and Africa

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Saudi Arabia

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United Arab Emirates

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Egypt

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Turkey

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South Africa

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Rest of Middle East and Africa

Frequently Asked Questions

What is the current size of the electric vehicle charging station market?

The electric vehicle charging station market generated USD 36.13 billion in 2025 and is projected to reach USD 112.55 billion by 2031.

What is the market size in 2026?

In 2026, the Electric Vehicle Charging Station Market size is expected to reach USD 43.66 billion.

How fast is the European market growing?

Europe records the highest regional CAGR at 40.50% through 2031, driven by cross-border alliances such as the Spark Alliance.

Why are commercial vehicles important for charger demand?

Commercial fleets grow at a 52.20% CAGR because predictable, high-power charging cycles make depot and corridor infrastructure financially attractive.

What are the main barriers to fast-charger roll-out?

High site capex, protracted permitting, silicon-carbide semiconductor shortages, and cybersecurity concerns collectively drag on deployment momentum.