

Electric Vehicle (EV) Charging Infrastructure Market Analysis By Charger Type (Slow Charger, Fast Charger), By Connector (CHAdeMO, Combined Charging System), By Application, By Region, And Segment Forecasts, 2014 - 2025

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Abstracts

The global electric vehicle charging infrastructure market is expected to reach USD 45.59 billion by 2025, according to a new report by Grand View Research, Inc. Governments, across the globe, are striving to encourage the adoption of electric vehicles. Incentive programs, such as tax rebates, grants, and subsidies, have been launched to promote the same.

The increasing adoption of electric vehicles is expected to be more in the passenger cars segment, in comparison with the commercial vehicle segment. The increase in adoption, can be attributed to the growing research & development activities and initiatives undertaken to improve the existing EV models, and make them competitive with the available fuel-powered car models. Furthermore, companies are working towards upgrading Electric Vehicle Supply Equipment (EVSE) to make them more convenient.

In the year 2016, CHAdeMO possessed the largest market share in the connector segment. However, it is predicted to be surpassed by the Combined Charging System (CCS) connectors segment, which is a combination of SAE J1772 (IEC Type 1) and IEC Type 2 connectors.

The fast chargers segment is expected to exhibit the fastest growth, with an estimated CAGR of around 47.9% from 2017 to 2025. Overnight charging is insufficient for covering long distances and sparing hours to charge the vehicle, during a voyage, is not

presumed as a good idea. These situations encourage anxiety and eventually discourage the use of electric vehicles. Therefore, fast chargers are expected to have higher adoption rate than slow chargers.

Further key findings from the report suggest:

The electric vehicle charging infrastructure market is expected to grow at a CAGR of 46.8% from 2017 to 2025

Leading automakers are observed investing heavily in promoting EV charging infrastructure. For instance, BMW, Daimler, Ford, and Volkswagen, together announced an investment plan for the development of 400 charging sites across Europe

The North American region is projected to dominate the EV charging infrastructure, as it is expected to witness significant growth in electric vehicle sales

The major players of the electric vehicle charging infrastructure market are ABB Group, AeroVironment, Inc., Elektromotive Limited, ChargePoint, Inc., Schneider Electric SE, Chargemaster Plc, Eaton Corporation, Siemens AG, SemaConnect, Inc., ClipperCreek, Inc., Tesla Motors, Inc., Delphi Automotive LLP, General Electric, and Leviton Manufacturing Co., Inc., among others

Contents

CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Research Methodology
- 1.2 Research Scope and Assumptions
- 1.3 List of Data Sources

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Electric Vehicle Charging Infrastructure - Industry Snapshot & Key Buying Criteria, 2014 - 2025
 - 2.1.1 Global electric vehicle charging infrastructure market

CHAPTER 3 ELECTRIC VEHICLE CHARGING INFRASTRUCTURE INDUSTRY OUTLOOK

- 3.1 Market Segmentation
- 3.2 Market Size and Growth Prospects
- 3.3 Electric Vehicle Charging Infrastructure Market Dynamics
 - 3.3.1 Market driver analysis
 - 3.3.1.1 Growing concerns of carbon emissions
 - 3.3.1.2 Increasing adoption of electric vehicles
 - 3.3.1.3 Government regulations and tax exemptions further promote the adoption of EVs
 - 3.3.2 Market restraint analysis
 - 3.3.2.1 High costs of setting-up EV infrastructure
 - 3.3.2.2 Higher space requirement & uncertainty related to electricity costs
 - 3.3.2.3 Emergence of hydrogen fuel cell vehicles
 - 3.3.3 Market challenge analysis
 - 3.3.3.1 Battery-related issues
- 3.4 Penetration and Growth Prospect Mapping
- 3.5 Key Company Analysis
- 3.6 Electric Vehicle Charging Infrastructure - Porter's Five Forces Analysis
- 3.7 Electric Vehicle Infrastructure - PESTEL Analysis

CHAPTER 4 ELECTRIC VEHICLE CHARGING INFRASTRUCTURE CHARGER TYPE OUTLOOK

4.1 Electric vehicle charging infrastructure market share, by charger type, 2016 & 2025

4.2 Slow Chargers

4.2.1 Slow charger electric vehicle charging infrastructure market, 2014 - 2025 (USD Million)

4.2.2 Slow charger electric vehicle charging infrastructure market, by region, 2014 - 2025 (USD Million)

4.3 Fast Chargers

4.3.1 Fast chargers electric vehicle charging infrastructure market, by fast chargers, 2014 - 2025 (USD Million)

4.3.2 Fast chargers electric vehicle charging infrastructure market, by region, 2014 - 2025 (USD Million)

CHAPTER 5 ELECTRIC VEHICLE CHARGING INFRASTRUCTURE CONNECTOR OUTLOOK

5.1 Electric vehicle charging infrastructure market share, by connector, 2016 & 2025

5.2 CHAdeMO

5.2.1 CHAdeMO electric vehicle charging infrastructure market, 2014 - 2025 (USD Million)

5.2.2 CHAdeMO electric vehicle charging infrastructure market, by region, 2014 - 2025 (USD Million)

5.3 Combined Charging System (CCS)

5.3.1 CCS electric vehicle charging infrastructure market, 2014 - 2025 (USD Million)

5.3.1 CCS electric vehicle charging infrastructure market, by region, 2014 - 2025 (USD Million)

5.4 Others

5.4.1 Others electric vehicle charging infrastructure market, 2014 - 2025 (USD Million)

5.4.2 Others electric vehicle charging infrastructure market, by region, 2014 - 2025 (USD Million)

CHAPTER 6 ELECTRIC VEHICLE CHARGING INFRASTRUCTURE APPLICATION OUTLOOK

6.1 Electric vehicle charging infrastructure market share, by application, 2016 & 2025

6.2 Commercial

6.2.1 Electric vehicle charging infrastructure market in commercial application, 2014 - 2025 (USD Million)

6.2.1 Electric vehicle charging infrastructure market in commercial application, by region, 2014 - 2025 (USD Million)

6.3 Residential

6.3.1 Electric vehicle charging infrastructure market in residential application, 2014 - 2025 (USD Million)

6.3.2 Electric vehicle charging infrastructure market in residential application, by region, 2014 - 2025 (USD Million)

CHAPTER 7 ELECTRIC VEHICLE CHARGING INFRASTRUCTURE REGIONAL OUTLOOK

7.1 Electric vehicle charging infrastructure market share, by region, 2016 & 2025

7.2 North America

7.2.1 North America electric vehicle charging infrastructure market, 2014 - 2025

7.2.2 North America electric vehicle charging infrastructure market, by charger type, 2014 - 2025

7.2.3 North America electric vehicle charging infrastructure market, by connector, 2014 - 2025

7.2.4 North America electric vehicle charging infrastructure market, by application, 2014 - 2025

7.2.5 U.S.

7.2.5.1 U.S. electric vehicle charging infrastructure market, 2014 - 2025

7.2.5.2 U.S. electric vehicle charging infrastructure market, by connector, 2014 - 2025

7.2.5.3 U.S. electric vehicle charging infrastructure market, by application, 2014 - 2025

7.2.6 Canada

7.2.6.1 Canada electric vehicle charging infrastructure market, by charger type, 2014 - 2025

7.2.6.2 Canada electric vehicle charging infrastructure market, by connector, 2014 - 2025

7.2.6.3 Canada electric vehicle charging infrastructure market, by application, 2014 - 2025

7.3 Europe

7.3.1 Europe electric vehicle charging infrastructure market, 2014 - 2025

7.3.2 Europe electric vehicle charging infrastructure market, by charger type, 2014 - 2025

7.3.3 Europe electric vehicle charging infrastructure market, by connector, 2014 - 2025

7.3.4 Europe electric vehicle charging infrastructure market, by application, 2014 - 2025

7.3.5 Netherlands

7.3.5.1 Netherlands electric vehicle charging infrastructure market, by charger type,

2014 - 2025

7.3.5.2 Netherlands electric vehicle charging infrastructure market, by connector, 2014 - 2025

7.3.5.3 Netherlands electric vehicle charging infrastructure market, by application, 2014 - 2025

7.3.6 UK

7.3.6.1 UK electric vehicle charging infrastructure market, by charger type, 2014 - 2025

7.3.6.2 UK electric vehicle charging infrastructure market, by connector, 2014 - 2025

7.3.6.3 UK Canada electric vehicle charging infrastructure market, by application, 2014 - 2025

7.3.7 France

7.3.7.1 France electric vehicle charging infrastructure market, by charger type, 2014 - 2025

7.3.7.2 France electric vehicle charging infrastructure market, by connector, 2014 - 2025

7.3.7.3 France electric vehicle charging infrastructure market, by application, 2014 - 2025

7.3.8 Norway

7.3.8.1 Norway electric vehicle charging infrastructure market, by charger type, 2014 - 2025

7.3.8.2 Norway electric vehicle charging infrastructure market, by connector, 2014 - 2025

7.3.8.3 Norway electric vehicle charging infrastructure market, by application, 2014 - 2025

7.3.9 Germany

7.3.9.1 Germany electric vehicle charging infrastructure market, by charger type, 2014 - 2025

7.3.9.2 Germany electric vehicle charging infrastructure market, by connector, 2014 - 2025

7.3.9.3 Germany electric vehicle charging infrastructure market, by application, 2014 - 2025

7.4 Asia Pacific

7.4.1 Asia Pacific electric vehicle charging infrastructure market, 2014 - 2025

7.4.2 Asia Pacific electric vehicle charging infrastructure market, by charger type, 2014 - 2025

7.4.3 Asia Pacific electric vehicle charging infrastructure market, by connector, 2014 - 2025

7.4.4 Asia Pacific electric vehicle charging infrastructure market, by application, 2014 -

2025

7.4.5 China

7.4.5.1 China electric vehicle charging infrastructure market, by charger type, 2014 - 2025

7.4.5.2 China electric vehicle charging infrastructure market, by connector, 2014 - 2025

7.4.5.3 China electric vehicle charging infrastructure market, by application, 2014 - 2025

7.4.6 Japan

7.4.6.1 Japan electric vehicle charging infrastructure market, by charger type, 2014 - 2025

7.4.6.2 Japan electric vehicle charging infrastructure market, by connector, 2014 - 2025

7.4.6.3 Japan electric vehicle charging infrastructure market, by application, 2014 - 2025

7.4.7 South Korea

7.4.7.1 South Korea electric vehicle charging infrastructure market, by charger type, 2014 - 2025

7.4.7.2 South Korea electric vehicle charging infrastructure market, by connector, 2014 - 2025

7.4.7.3 South Korea electric vehicle charging infrastructure market, by application, 2014 - 2025

CHAPTER 8 COMPETITIVE LANDSCAPE

8.1 ChargePoint, Inc.

8.1.1 Company overview

8.1.2 Financial Performance

8.1.3 Product benchmarking

8.1.4 Strategic initiatives

8.2 AeroVironment Inc.

8.2.1 Company overview

8.2.2 Financial performance

8.2.3 Product benchmarking

8.2.4 Strategic initiatives

8.3 Chargemaster Plc

8.3.1 Company overview

8.3.2 Financial performance

8.3.3 Product benchmarking

- 8.3.4 Strategic initiatives
- 8.4 General Electric
 - 8.4.1 Company overview
 - 8.4.2 Financial performance
 - 8.4.3 Product benchmarking
 - 8.4.4 Strategic initiatives
- 8.5 Leviton Manufacturing Co., Inc.
 - 8.5.1 Company overview
 - 8.5.2 Financial performance
 - 8.5.3 Product benchmarking
 - 8.5.4 Strategic initiatives
- 8.6 Eaton Corporation
 - 8.6.1 Company overview
 - 8.6.2 Financial performance
 - 8.6.3 Product benchmarking
 - 8.6.4 Strategic initiatives
- 8.7 SemaConnect, Inc.
 - 8.7.1 Company overview
 - 8.7.2 Financial performance
 - 8.7.3 Product benchmarking
 - 8.7.4 Strategic initiatives
- 8.8 Tesla Motors, Inc.
 - 8.8.1 Company overview
 - 8.8.2 Financial performance
 - 8.8.3 Product benchmarking
 - 8.8.4 Strategic initiatives
- 8.9 Schneider Electric SE
 - 8.9.1 Company overview
 - 8.9.2 Financial performance
 - 8.9.3 Product benchmarking
 - 8.9.4 Strategic initiatives
- 8.10 ABB LTD
 - 8.10.1 Company overview
 - 8.10.2 Financial performance
 - 8.10.3 Product benchmarking
 - 8.10.4 Strategic initiatives
- 8.11 Siemens AG
 - 8.11.1 Company overview
 - 8.11.2 Financial performance

- 8.11.3 Product benchmarking
- 8.11.4 Strategic initiatives
- 8.12 ClipperCreek, Inc.
 - 8.12.1 Company overview
 - 8.12.2 Financial performance
 - 8.12.3 Product benchmarking
 - 8.12.4 Strategic initiatives
- 8.13 Delphi Automotive LLP
 - 8.13.1 Company overview
 - 8.13.2 Financial performance
 - 8.13.3 Product benchmarking

List Of Tables

LIST OF TABLES

- Table 1 Electric vehicle charging infrastructure - Industry snapshot & key buying criteria, 2014 - 2025
- Table 2 Global electric vehicle charging infrastructure market, 2014 - 2025 (USD Million)
- Table 3 Global electric vehicle charging infrastructure market, by region, 2014 - 2025 (USD Million)
- Table 4 Global electric vehicle charging infrastructure market, by charger type, 2014 - 2025 (USD Million)
- Table 5 Global electric vehicle charging infrastructure market, by connector, 2014 - 2025 (USD Million)
- Table 6 Global electric vehicle charging infrastructure market, by application, 2014 - 2025 (USD Million)
- Table 7 Electric vehicle charging infrastructure - Key market driver impact
- Table 8 Electric vehicle charging infrastructure - Key market restraint impact
- Table 9 Slow charger electric vehicle charging infrastructure market, by slow charger, 2014 - 2025 (USD Million)
- Table 10 Slow charger electric vehicle charging infrastructure market, by region, 2014 - 2025 (USD Million)
- Table 11 Fast chargers electric vehicle charging infrastructure market, by fast charger, 2014 - 2025 (USD Million)
- Table 12 Fast charger electric vehicle charging infrastructure market, by region, 2014 - 2025 (USD Million)
- Table 13 CHAdeMO electric vehicle charging infrastructure market 2014 - 2025 (USD Million)
- Table 14 CHAdeMO electric vehicle charging infrastructure market, by region, 2014 - 2025 (USD Million)
- Table 15 CCS electric vehicle charging infrastructure market 2014 - 2025 (USD Million)
- Table 16 CCS electric vehicle charging infrastructure market, by region, 2014 - 2025 (USD Million)
- Table 17 Others electric vehicle charging infrastructure market, 2014 - 2025 (USD Million)
- Table 18 Others electric vehicle charging infrastructure market, by region, 2014 - 2025 (USD Million)
- Table 19 Electric vehicle charging infrastructure market in commercial application, 2014 - 2025 (USD Million)
- Table 20 Electric vehicle charging infrastructure market in commercial application, by

region, 2014 - 2025 (USD Million)

Table 21 Electric vehicle charging infrastructure market in residential application, 2014 - 2025 (USD Million)

Table 22 Electric vehicle charging infrastructure market in residential application, by region, 2014 - 2025 (USD Million)

Table 23 North America electric vehicle charging infrastructure market, 2014 - 2025 (USD Million)

Table 24 North America electric vehicle charging infrastructure market, by charger type, 2014 - 2025 (USD Million)

Table 25 North America electric vehicle charging infrastructure, by connector, 2014 - 2025 (USD Million)

Table 26 North America electric vehicle charging infrastructure market, by application, 2014 - 2025 (USD Million)

Table 27 U.S. electric vehicle charging infrastructure market, by charger type, 2014 - 2025 (USD Million)

Table 28 U.S. electric vehicle charging infrastructure, by connector, 2014 - 2025 (USD Million)

Table 29 U.S. electric vehicle charging infrastructure market, by application, 2014 - 2025 (USD Million)

Table 30 Canada electric vehicle charging infrastructure market, by charger type, 2014 - 2025 (USD Million)

Table 31 Canada electric vehicle charging infrastructure, by connector, 2014 - 2025 (USD Million)

Table 32 Canada electric vehicle charging infrastructure market, by application, 2014 - 2025 (USD Million)

Table 33 Europe electric vehicle charging infrastructure market, 2014 - 2025 (USD Million)

Table 34 Europe electric vehicle charging infrastructure market, by charger type, 2014 - 2025 (USD Million)

Table 35 Europe electric vehicle charging infrastructure, by connector, 2014 - 2025 (USD Million)

Table 36 Europe electric vehicle charging infrastructure market, by application, 2014 - 2025 (USD Million)

Table 37 Netherland electric vehicle charging infrastructure market, by charger type, 2014 - 2025 (USD Million)

Table 38 Netherlands electric vehicle charging infrastructure, by connector, 2014 - 2025 (USD Million)

Table 39 Netherlands electric vehicle charging infrastructure market, by application, 2014 - 2025 (USD Million)

Table 40 UK electric vehicle charging infrastructure market, by charger type, 2014 - 2025 (USD Million)

Table 41 UK electric vehicle charging infrastructure, by connector, 2014 - 2025 (USD Million)

Table 42 UK electric vehicle charging infrastructure market, by application, 2014 - 2025 (USD Million)

Table 43 France electric vehicle charging infrastructure market, by charger type, 2014 - 2025 (USD Million)

Table 44 France electric vehicle charging infrastructure, by connector, 2014 - 2025 (USD Million)

Table 45 France electric vehicle charging infrastructure market, by application, 2014 - 2025 (USD Million)

Table 46 Norway electric vehicle charging infrastructure market, by charger type, 2014 - 2025 (USD Million)

Table 47 Norway electric vehicle charging infrastructure, by connector, 2014 - 2025 (USD Million)

Table 48 Norway electric vehicle charging infrastructure market, by application, 2014 - 2025 (USD Million)

Table 49 Germany electric vehicle charging infrastructure market, by charger type, 2014 - 2025 (USD Million)

Table 50 Germany electric vehicle charging infrastructure, by connector, 2014 - 2025 (USD Million)

Table 51 Germany electric vehicle charging infrastructure market, by application, 2014 - 2025 (USD Million)

Table 52 Asia Pacific electric vehicle charging infrastructure market, 2014 - 2025 (USD Million)

Table 53 Asia Pacific electric vehicle charging infrastructure market, by charger type, 2014 - 2025 (USD Million)

Table 54 Asia Pacific electric vehicle charging infrastructure, by connector, 2014 - 2025 (USD Million)

Table 55 Asia Pacific electric vehicle charging infrastructure market, by application, 2014 - 2025 (USD Million)

Table 56 China electric vehicle charging infrastructure market, by charger type, 2014 - 2025 (USD Million)

Table 57 China electric vehicle charging infrastructure, by connector, 2014 - 2025 (USD Million)

Table 58 China electric vehicle charging infrastructure market, by application, 2014 - 2025 (USD Million)

Table 59 Japan electric vehicle charging infrastructure market, by charger type, 2014 -

2025 (USD Million)

Table 60 Japan electric vehicle charging infrastructure, by connector, 2014 - 2025 (USD Million)

Table 61 Japan electric vehicle charging infrastructure market, by application, 2014 - 2025 (USD Million)

Table 62 South Korea electric vehicle charging infrastructure market, by charger type, 2014 - 2025 (USD Million)

Table 63 South Korea electric vehicle charging infrastructure, by connector, 2014 - 2025 (USD Million)

Table 64 South Korea electric vehicle charging infrastructure market, by application, 2014 - 2025 (USD Million)

List Of Figures

LIST OF FIGURES

Fig. 1 Market segmentation & scope

Fig. 2 Global electric vehicle charging infrastructure market, 2014 - 2025 (USD Million)

Fig. 3 Key opportunities prioritized

Fig. 4 Key company analysis, 2016

Fig. 5 Electric vehicle charging infrastructure - Porter's five forces analysis

Fig. 6 Electric vehicle infrastructure - PESTEL analysis

Fig. 7 Electric vehicle charging infrastructure, by charger type, 2016 & 2025

Fig. 8 Electric vehicle charging infrastructure market share, by connector, 2016 & 2025

Fig. 9 Electric vehicle charging infrastructure market, by application, 2016 & 2025

Fig. 10 Electric vehicle charging infrastructure market share, by region, 2016 & 2025

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