

U.S. Electric Vehicle Charging Infrastructure Market Size, Share & Trends Analysis Report By Charger Type, By Connector, By Application, And Segment Forecasts, 2022 - 2030

<https://marketpublishers.com/r/U1D96B245A90EN.html>

Date: April 2022

Pages: 74

Price: US\$ 4,950.00 (Single User License)

ID: U1D96B245A90EN

Abstracts

This report can be delivered to the clients within 72 Business Hours

U.S. Electric Vehicle Charging Infrastructure Market Growth & Trends

The U.S. electric vehicle charging infrastructure market size is expected to reach USD 49.14 billion by 2030, growing at a CAGR of 36.9% from 2022 to 2030, according to a new report by Grand View Research, Inc. The market growth can be attributed to the growing environmental concerns and rising demand for sustainable and energy-efficient transportation. Additionally, the increasing advancement in the communication technologies, such as the availability of real-time information on all the electric vehicle charging stations for better connectivity, will help to propel the market growth.

Several electric vehicle charging station providers are focusing on launching innovative payment technologies on all of their stations across the U.S. to provide a better customer experience. For instance, in November 2020, Electrify America, an electric vehicle charging station provider, launched the Plug&Charge payment capability on all its charging stations across the U.S. The charger efficiently communicates with the vehicle to authenticate, identify, authorize and bill the customer's registered account for the charging session. The entire process allows for a seamless charging experience for the customer.

The technological progress of both electric vehicle charging software and hardware is expected to change the way electric vehicle owners use and benefit from electric

vehicle charging applications. Technologies such as Smartcar API and charging networks precisely determine an electric vehicle's charge time even before the car driver plugs the car into a station. Additionally, green energy is expected to play a significant role in both public and residential electric vehicle charging spaces.

The COVID-19 pandemic had an adverse impact on the market. The lack of electric vehicle charging infrastructure is seen as a major impediment to the electric vehicle sector. However, as governments across the globe are focusing on emerging from this global pandemic with a stronger and more resilient economy, electric vehicles are expected to continue to gain significant attention. For instance, in the U.S., California is emerging with strong electric vehicle targets, which is expected to have a positive impact on the electric vehicle charging infrastructure market during the forecast period.

U.S. Electric Vehicle Charging Infrastructure Market Report Highlights

Technological progress in battery technology and the growing impetus for autonomous vehicles are driving the U.S. market growth. In addition, eco-friendly benefits offered by EVs help increase their sales

Consumers' preference for using electric vehicles for long-distance travel and the increasing deployment of electric vehicle charging infrastructure by corporates is anticipated to drive the U.S. demand for fast chargers during the forecast period

Easy integration with smart grid infrastructure and bi-directional charging capability is anticipated to drive the growth of the CHAdeMO segment during the forecast period

North America is a leading market in terms of the number of electric vehicles to fuel-driven vehicles in the region. New York is emerging as a dominant state in the adoption of electric vehicles, which is expected to increase during the projection period

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. U.S. Electric Vehicle Charging Infrastructure Market - Industry Snapshot & Key Buying Criteria, 2017 - 2030
- 2.2. U.S. Electric Vehicle Charging Infrastructure Market, 2017 - 2030
 - 2.2.1. U.S. Electric Vehicle Charging Infrastructure Market, By Charger Type, 2017 - 2030
 - 2.2.2. U.S. Electric Vehicle Charging Infrastructure Market, By Connector, 2017 - 2030
 - 2.2.3. U.S. Electric Vehicle Charging Infrastructure Market, By Application, 2017 - 2030

CHAPTER 3. U.S. ELECTRIC VEHICLE CHARGING INFRASTRUCTURE INDUSTRY OUTLOOK

- 3.1. Market Segmentation and Scope
- 3.2. Market Size and Growth Prospects
- 3.3. U.S. Electric Vehicle Charging Infrastructure Market - Value Chain Analysis
 - 3.3.1. Vendor landscape
- 3.4. U.S. Electric Vehicle Charging Infrastructure Market-Market Dynamics
 - 3.4.1. Market driver analysis
 - 3.4.1.1. Growing Contribution Of Transportation Sector Toward Carbon Emissions
 - 3.4.1.2. Advances In Battery Technology And Growing Emphasis On Autonomous Vehicles
 - 3.4.1.3. Government Regulations And Tax Exemptions Further Promote The Adoption Of EVs
 - 3.4.2. Market challenge analysis
 - 3.4.2.1. High Costs Of Setting-Up EV Infrastructure
 - 3.4.2.2. Need For Dedicated Charging Space And Fluctuating Power Tariffs
 - 3.4.2.3. Emergence Of Hydrogen Fuel Cell Vehicles
 - 3.4.3. Market opportunity analysis
 - 3.4.3.1. Declining Lithium-Ion Battery Costs

- 3.5. Penetration and Growth Prospect Mapping
- 3.6. U.S. Electric Vehicle Charging Infrastructure Market - Porter's Five Forces Analysis
- 3.7. U.S. Electric Vehicle Charging Infrastructure Market - Company Ranking Analysis, 2021
- 3.8. U.S. Electric Vehicle Charging Infrastructure Market - Pestel Analysis
- 3.9. U.S. Electric Vehicle Charging Infrastructure (Evc) - Trend Analysis
- 3.10. U.S. Electric Vehicle Charging Infrastructure - Pricing Analysis
- 3.11. U.S. Electric Vehicle Charging Infrastructure Market - Evolving Role Of Utility Companies

CHAPTER 4. U.S. ELECTRIC VEHICLE CHARGING INFRASTRUCTURE CHARGER TYPE OUTLOOK

- 4.1. U.S. Electric Vehicle Charging Infrastructure Market Share By Charger Type, 2021 & 2030
- 4.2. Slow Charger
 - 4.2.1. U.S. Electric Vehicle Charging Infrastructure Market, By Slow Charger 2017 - 2030 (USD Million, Units)
- 4.3. Fast Charger
 - 4.3.1. U.S. Electric Vehicle Charging Infrastructure Market, By Fast Charger 2017 - 2030 (USD Million, Units)

CHAPTER 5. U.S. ELECTRIC VEHICLE CHARGING INFRASTRUCTURE CONNECTOR OUTLOOK

- 5.1. U.S. Electric Vehicle Charging Infrastructure Market Share By Connector, 2021 & 2030
- 5.2. Chademo
 - 5.2.1. U.S. Electric Vehicle Charging Infrastructure Market, By Chademo 2017 - 2030 (USD Million, Units)
- 5.3. Combined Charging System (CCS)
 - 5.3.1. U.S. Electric Vehicle Charging Infrastructure Market, By CCS 2017 - 2030 (USD Million, Units)
- 5.4. Others
 - 5.4.1. U.S. Electric Vehicle Charging Infrastructure Market, By Other Connectors 2017 - 2030 (USD Million, Units)

CHAPTER 6. U.S. ELECTRIC VEHICLE CHARGING INFRASTRUCTURE APPLICATION OUTLOOK

6.1. U.S. Electric Vehicle Charging Infrastructure Market Share By Application, 2021 & 2030

6.2. Commercial

6.2.1. U.S. Electric Vehicle Charging Infrastructure Market In Commercial Application 2017 - 2030 (USD Million, Units)

6.3. Residential

6.3.1. U.S. Electric Vehicle Charging Infrastructure Market In Residential Application 2017 - 2030 (USD Million, Units)

CHAPTER 7. COMPETITIVE LANDSCAPE

7.1. ABB

7.1.1. Company Overview

7.1.2. Financial Performance

7.1.3. Product Benchmarking

7.1.4. Strategic Initiatives

7.2. Chargepoint, Inc.

7.2.1. Company Overview

7.2.2. Financial Performance

7.2.3. Product Benchmarking

7.2.4. Strategic Initiatives

7.3. Clippercreek, Inc.

7.3.1. Company Overview

7.3.2. Financial Performance

7.3.3. Product Benchmarking

7.3.4. Strategic Initiatives

7.4. Leviton Manufacturing Co., Inc.

7.4.1. Company Overview

7.4.2. Financial Performance

7.4.3. Product Benchmarking

7.4.4. Strategic Initiatives

7.5. Semaconnect, Inc.

7.5.1. Company Overview

7.5.2. Financial Performance

7.5.3. Product Benchmarking

7.5.4. Strategic Initiatives

7.6. Tesla

7.6.1. Company Overview

- 7.6.2. Financial Performance
- 7.6.3. Product Benchmarking
- 7.6.4. Strategic Initiatives
- 7.7. Bp Pulse
 - 7.7.1. Company Overview
 - 7.7.2. Financial Performance
 - 7.7.3. Product Benchmarking
 - 7.7.4. Strategic Initiatives
- 7.8. Delta Electronics, Inc.
 - 7.8.1. Company Overview
 - 7.8.2. Financial Performance
 - 7.8.3. Product Benchmarking
 - 7.8.4. Strategic Initiatives
- 7.9. Webasto Group
 - 7.9.1. Company Overview
 - 7.9.2. Financial Performance
 - 7.9.3. Product Benchmarking
 - 7.9.4. Strategic Initiatives

List Of Tables

LIST OF TABLES

- TABLE 1 U.S. electric vehicle charging infrastructure market - Industry snapshot & key buying criteria, 2017 - 2030
- TABLE 2 U.S. electric vehicle charging infrastructure market 2017 - 2030 (USD Million, Units)
- TABLE 3 U.S. electric vehicle charging infrastructure market, by charger type 2017 - 2030 (USD Million)
- TABLE 4 U.S. electric vehicle charging infrastructure market, by charger type 2017 - 2030 (Units)
- TABLE 5 U.S. electric vehicle charging infrastructure market, by connector 2017 - 2030 (USD Million)
- TABLE 6 U.S. electric vehicle charging infrastructure market, by connector 2017 - 2030 (Units)
- TABLE 7 U.S. electric vehicle charging infrastructure market, by application 2017 - 2030 (USD Million)
- TABLE 8 U.S. electric vehicle charging infrastructure market, by application 2017 - 2030 (Units)
- TABLE 9 U.S. electric vehicle charging infrastructure - Key market driver impact
- TABLE 10 U.S. electric vehicle charging infrastructure - Key market challenge impact
- TABLE 11 U.S. electric vehicle charging infrastructure - Key market opportunity impact
- TABLE 12 Level 2 networked charging pricing analysis by companies
- TABLE 13 Level 1 non-networked charging stations by companies
- TABLE 14 Estimated total cost of New York State, U.S.
- TABLE 15 U.S. electric vehicle charging stations, 2020
- TABLE 16 U.S. electric vehicle charging infrastructure market, by slow chargers 2017 - 2030 (USD Million, Units)
- TABLE 17 U.S. electric vehicle charging infrastructure market, by fast chargers 2017-2030 (USD Million, Units)
- TABLE 18 U.S. electric vehicle charging infrastructure market, by CHAdeMO 2017 - 2030 (USD Million, Units)
- TABLE 19 U.S. electric vehicle charging infrastructure market, by CCS 2017 - 2030 (USD Million, Units)
- TABLE 20 U.S. electric vehicle charging infrastructure market, by other connectors 2017 - 2030 (USD Million, Units)
- TABLE 21 U.S. electric vehicle charging infrastructure market in commercial application 2017 - 2030 (USD Million, Units)

TABLE 22 U.S. electric vehicle charging infrastructure market in residential application
2017 - 2030 (USD Million, Units)

List Of Figures

LIST OF FIGURES

- Fig. 1 Market segmentation & scope
- Fig. 2 U.S. electric vehicle charging infrastructure market 2017 - 2030 (USD Million)
- Fig. 3 U.S. electric vehicle charging infrastructure market - Value chain analysis
- Fig. 4 U.S. electric vehicle charging infrastructure - Market dynamics
- Fig. 5 Atmospheric Carbon dioxide (CO₂) concentration (ppm)
- Fig. 6 Annual Carbon dioxide (CO₂) emissions by country (Gigatonnes)
- Fig. 7 Annual plug-in vehicle sales in the U.S. (Units)
- Fig. 8 Lithium-ion battery pricing trend (2010 - 2016)
- Fig. 9 Key opportunities prioritized
- Fig. 10 Key company analysis, 2021
- Fig. 11 U.S. electric vehicle charging infrastructure - Porter's five forces analysis
- Fig. 12 U.S. electric vehicle charging infrastructure - PESTEL analysis
- Fig. 13 U.S. electric vehicle charging infrastructure - Trend analysis
- Fig. 14 Estimated installation costs for EV charging sites for 4 stations per site (USD)
- Fig. 15 Estimated installation costs for EV charging sites for 8 stations per site (USD)
- Fig. 16 Public EV charging stations by type
- Fig. 17 U.S. electric vehicle charging infrastructure - Evolving role of utility companies
- Fig. 18 U.S. electric vehicle charging infrastructure market, by charger type, 2021
- Fig. 19 U.S. electric vehicle charging infrastructure market, by connector, 2021
- Fig. 20 U.S. electric vehicle charging infrastructure market, by application, 2021

I would like to order

Product name: U.S. Electric Vehicle Charging Infrastructure Market Size, Share & Trends Analysis Report By Charger Type, By Connector, By Application, And Segment Forecasts, 2022 - 2030

Product link: <https://marketpublishers.com/r/U1D96B245A90EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/U1D96B245A90EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970