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Residential EV Charging Infrastructure Market Size, Share, and Analysis, By Type (Wall-Mounted and Floor-Standing), By Power (Less than 11kw, 11KW-50KW, and Above 50KW), By Application (Community and Garage), By Region (North America, Europe, Asia-Pacific, and Rest of the World), And Regional Forecast 2024-2034

https://marketpublishers.com/r/R1613DF61FA0EN.html
Date: January 2025
Pages: 597
Price: US$ 5,250.00 (Single User License)
ID: R1613DF61FA0EN

Abstracts

Residential EV Charging Infrastructure Market is anticipated to exhibit a Compound Annual Growth Rate (CAGR) of 36.8% during the forecast span from 2024 to 2034. In 2023, the market size was assessed at USD 7.4 billion and is projected to reach USD 232.1 billion by the completion of 2034.

Residential EV charging infrastructure are equipment and systems that are set up in houses for charging electric vehicles. The charging station, also known as the Electric vehicle supply equipment (EVSE), is one of the main elements of this system. It primarily focuses on three charging levels: Level 1, which uses standard 120V outlets for slow charging; Level 2, which requires 240V circuits for faster charging, and Level 3, which is rarely used in residential settings due to its high power requirements. In addition to the charging station, the installation consists of wiring and energy management systems for regulating household power usage. Thus, with the increasing adoption of electric vehicles, the importance of residential charging infrastructure increases and provides EV owners with the convenience of overnight charging.

MARKET HIGHLIGHTS

Residential EV charging infrastructure market is projected to reach USD 232.1 billion

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over the forecast period, due to the rising global popularity of electric vehicles. The growth in the market is attributed to developments in technology, with a focus on faster charging speeds and modern connection features. In addition, level 2 chargers are the best option for residential use as they provide a fair balance of charging speed and installation costs. Alongside, there is an increasing movement towards bidirectional charging, that allows electric vehicles to function as power sources for houses in case of emergencies. Moreover, the industry is growing due to several government programs and regulations that promote the usage of electric vehicles. Consequently, the residential EV charging infrastructure market is expected to grow steadily due to the possibilities it offers in terms of hardware and software choices.

Residential EV Charging Infrastructure Market Segments:

By Type

Wall-Mounted

Floor-Standing

By Power

Less than 11KW

11KW-50KW

Above 50KW

By Application

Community

Garage

MARKET DYNAMICS

Growth Drivers

Increasing Adoption of EVs to Drive Growth in the Residential EV Charging

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Infrastructure Market

Government Incentives act as a Catalyst for Market Growth.

Restraint

High Installation Costs in the Residential EV Charging Infrastructure Market Will Impact the Growth

Key Players

- Tesla
- ChargePoint
- Siemens
- Schneider Electric
- ABB
- ClipperCreek
- Blink Charging
- EVBox
- Bosch
- Enel X
- Webasto
- Leviton
- Eaton
- AeroVironment

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Delta Electronics

Other Prominent Players (Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis)

Global Laboratory Temperature Control Units Market is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAG.R – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey and Rest of Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia and Rest of APAC

Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa and Rest of MENA

Reasons to Purchase this Report

Qualitative and quantitative analysis of the market based on segmentation involving both economic as well as non-economic factors

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

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Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry with respect to recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market of various perspectives through Porter’s five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

3-month post-sales analyst support.

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