

UAE Electric Vehicle Charging Infrastructure Market, By Vehicle Type (Passenger Car, Commercial Vehicle, Two-Wheeler), By Type (AC, DC), By Charging Mode (Plug-In, Wireless), By Installed Location (Commercial, Residential), By Connector Type (Type 1, Type 2, UK 3-Pin, CHAdemo, CCS and Others), By Type of Charging (Slow, Fast), By Region, Competition Forecast & Opportunities, 2018- 2028

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Abstracts

The UAE Electric Vehicle Charging Infrastructure Market was valued at USD 6.42 million in 2022 and is expected to register a CAGR of 14.31% to reach USD 14.28 million in the year 2028. The rising sales of electric vehicles in the nation are driving the market for charging infrastructure for them, according to estimates. Additionally, the market is seeing new prospects as a result of the growing investments in the nation's electric vehicle charging infrastructure. Similarly to this, government incentives and perks are causing an increase in the sales of electric vehicles, and all of these things are causing the infrastructure for charging stations in the UAE to expand. Based on vehicle type, the UAE market for electric vehicle charging infrastructure is divided into three categories: two-wheelers, passenger cars, and commercial vehicles. With a market share of roughly 91.7% in 2022, the passenger automobile sector dominates the domestic market.

Advancement in Charging Technology

Carbon dioxide (CO₂) is one of the principal greenhouse gases released by vehicles powered by non-renewable energy sources. The buildup of solar heat in the earth's

atmosphere is known as the glasshouse effect. The Dubai Electricity and Water Authority (DEWA), a member of the Dubai Green Mobility Committee, collaborates closely with governmental agencies and business partners to facilitate EV adoption within Dubai, under the Dubai Green Mobility Strategy 2030. By June 2022, 20% of the fleet of cars driven by government agencies in the UAE will be electric. In addition, plug-in hybrid vehicles save about 50% of their fuel, hybrid vehicles up to 40%, and BEVs save about 70%. Furthermore, hybrids could save up to 40% and plug-ins up to 60% of gasoline in the UAE, resulting in lower carbon emissions. Owing to the aforementioned factors, demand for electric vehicles and charging infrastructure is expected to rise in UAE during the forecast period.

Advancement in Charging Technology

According to Dubai Electricity and Water Authority PJSC, more than 1,000 public charging stations will be accessible in Dubai by 2025 (DEWA). DEWA can remotely monitor the chargers due to the smart devices linked to a charge point management system, providing EVs with dependable, secure, sustainable, and inexpensive energy. The 250 kW, 350-500 kW DC fast chargers, which are ultra-speed charging choices, are used by passenger cars, light-duty trucks, and vans.

Favorable Government Initiatives and Policies

The UAE government has implemented incentives at the federal and local levels to promote the usage of electric vehicles. Incentives for electric vehicles were also introduced by the Emirate of Dubai in the form of free public charging stations, Salik stickers, and specific free EV parking spaces. 20% of the UAE's fleet of governmental entity-owned cars has been changed to electric models. The United Arab Emirates (UAE) Ministry of Energy and Infrastructure has partnered with Siemens Technology to create a national network of EV charging stations.

Increasing Sales of Electric Vehicles

Since people are becoming more aware of how the transportation sector affects the environment, there is a greater demand for low-emission automobiles. Moreover, the UAE has seen a huge surge in the demand for electric vehicles (EVs) as a result of the increase in air pollution. Automotive manufacturers are focusing on providing consumers with high-performance electric automobiles. Most automotive manufacturers also import other EV brands, including South Korean and European models. Around 205% more electric vehicles were registered in the UAE in 2022 than in 2021.

Market Segmentation

The UAE electric vehicle charging infrastructure market is segmented based on vehicle type, type, charging mode, installed location, connector type, type of charging, and region. Based on vehicle type, the market is segmented into passenger cars, commercial vehicles, and two-wheeler. Based on type, the market is segmented into AC and DC. Based on charging mode, the market is segmented into plug-in and wireless. Based on the installed location, the market is further bifurcated into commercial, and residential. Based on connector type, the market is segmented into type 1, type 2, UK 3-Pin, CHAdeMo, CCs, and Others. Based on the type of charging, the market is bifurcated into slow and fast. Based on regional distribution, the UAE electric vehicle charging infrastructure market is divided into Dubai, Sharjah, Abu Dhabi, and Rest of the UAE.

Company Profiles

Some of the major players which are operating in the UAE Electric Vehicle Charging Infrastructure Market are V Charge Trading LLC, FutureLink LLC (GreenParking), L-Charge, Orbix International LLC, ABB Industries (L.L.C.), Regeny, Powertech Electrical Trading LLC, eMagine, Efacec Group, Siemens LLC, and Catec.

Report Scope:

In this report, UAE Electric Vehicle Charging Infrastructure Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

UAE Electric Vehicle Charging Infrastructure Market, By Vehicle Type:

Passenger Car

Commercial vehicle

Two-Wheeler

UAE Electric Vehicle Charging Infrastructure Market, By Type:

AC

DC

UAE Electric Vehicle Charging Infrastructure Market, By Charging Mode:

Plug-In

Wireless

UAE Electric Vehicle Charging Infrastructure Market, By Installed Location:

Commercial

Residential

UAE Electric Vehicle Charging Infrastructure Market, By Connector Type:

Type 1

Type 2

UK 3-Pin

CHAdeMo

CCS

Others

UAE Electric Vehicle Charging Infrastructure Market, By Region:

Dubai

Sharjah

Abu Dhabi

Rest of the UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in UAE Electric Vehicle Charging Infrastructure Market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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