

Electric Vehicle Charging Station - Global Market Outlook (2020-2028)

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Abstracts

According to Statistics MRC, the Global Electric Vehicle Charging Station market is accounted for \$48.92 billion in 2020 and is expected to reach \$228.40 billion by 2028 growing at a CAGR of 21.2% during the forecast period. Environmental pollution treated as an alarming issue and increasing vehicle range per charge are the factors driving the market growth. However, the lack of standardization in charging infrastructure is restraining the market growth.

An electric recharge point that supplies electric energy for the recharging of electric vehicles such as battery-electric cars, plug-in hybrid vehicles, electric buses, and other electric vehicles is known as an electric vehicle charging station. It is also known as electric vehicle supply equipment (EVSE) and can be installed simply by plugging it into a standard wall outlet.

Based on charging point type, DC (direct current) electric vehicle (EV) charging station/supercharging station segment accounted for considerable market share during the forecast period as the superchargers have lower charging time compared to normal charging stations and can charge EV's in around 30 mins depending on battery specifications. These charging stations may be the most used charging type in the long run.

By geography, Asia Pacific held the largest market share during the forecast period as large scale growth of the EV charging network in China, is growing demand for affordable electric vehicles for daily use, and governments promoting electric vehicles. China's rapid growth of the economy due to these electric vehicles is driving the expansion of advanced technologies to improve electrification in the country.

Some of the key players profiled in the Electric Vehicle Charging Station Market include ABB, BP Pulse, ChargePoint Inc., Efacec, EV Solutions (Webasto), Evbox (ENGIE), Evgo (Acquired by L.S. Power), Leviton Manufacturing Co. Inc., Qingdao Tgood Electric Co. Ltd, Schneider Electric SE, SemaConnect Inc., Siemens AG, Star Charge, Tesla Motors Inc, The State Grid Corporation of China (SGCC).

Components Covered:

Hardware

Software

Charging Point Types Covered:

Inductive Charging

Slow/Moderate Charger

AC (Alternative Current) Electric Vehicle (EV) Charging Station/Normal Charging

DC (Direct Current) Electric Vehicle (EV) Charging Station/Super Charging Station

Charging Infrastructure Types Covered:

Combined Charging System (CCS)

CHAdeMO (CHArge de Move)

Tesla Super Charger

Type 2 (IEC 621196)

Type 1 (SAE J1772)

Guobiao Standard (GB/T)

Vehicle Types Covered:

Battery Electric Vehicle (BEV)

Commercial Vehicles

Electric Bike

Electric Vehicle (EV) Passenger Vehicles

Heavy Delivery Vans

Hybrid Electric Vehicle (HEV)

Electric Bus Charging Types Covered:

Off-Board Top-Down Pantograph

On-Board Bottom-Up Pantograph

Charging Via Connector

Mode of Charging Covered:

Plug-in Charging Stations

Wireless Charging Stations

Installation Types Covered:

Apartments

Fixed Charger

Home Charging Stations

Individual Houses

Portable Charger

Power Outputs Covered:

50KW

Direct Current (DC) Fast Charging Covered:

Fast Charging

Ultra Fast Charging

Supplier Types Covered:

OE (Original Equipment) Charging Station

Private Charging Station

Public Charging Stations

End Users Covered:

Commercial

Non-Commercial

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

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Brazil

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Saudi Arabia

UAE

Qatar

South Africa

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Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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