

Global Vehicle-to-Grid (V2G) Market Insights, Forecast to 2026

<https://marketpublishers.com/r/GE6B1E405670EN.html>

Date: June 2020

Pages: 110

Price: US\$ 4,900.00 (Single User License)

ID: GE6B1E405670EN

Abstracts

Vehicle-to-grid (V2G) describes a system in which plug-in electric vehicles, such as electric cars (BEVs) and plug-in hybrids (PHEVs), communicate with the power grid to sell demand response services by either delivering electricity into the grid or by throttling their charging rate.

Large-scale electric vehicle ordered charging can optimize power system operation, reduce peak loads, thus improving the operation safety and economy of power system. Compared with the traditional fuel vehicles, electric vehicles can greatly reduce primary energy consumption and greenhouse gas emissions.

Many countries have set objectives to expand the EV market in the coming decades, and each has taken a different approach to the policy enablers that they hope will help stimulate the market in the near term. Their motivations are similar: to improve air quality in vehicle-dense urban areas, to reduce transportation sector emissions of GHGs, and to achieve greater energy independence by reducing foreign oil imports. Shortcomings in vehicle uptake have been feared by many to be the result of driver anxiety about vehicle range. Frequently, policy proposals to solve vehicle range issues call for networks of high capacity charging stations. In theory, giving drivers the ability to charge vehicles on-the-go could reduce range anxiety and mimic the refueling infrastructure to which drivers of gasoline-powered cars have become accustomed. Since the COVID-19 virus outbreak in December 2019, the disease has spread to almost 100 countries around the globe with the World Health Organization declaring it a public health emergency. The global impacts of the coronavirus disease 2019 (COVID-19) are already starting to be felt, and will significantly affect the Vehicle-to-Grid (V2G) 4900 market in 2020.

COVID-19 can affect the global economy in three main ways: by directly affecting production and demand, by creating supply chain and market disruption, and by its financial impact on firms and financial markets.

The outbreak of COVID-19 has brought effects on many aspects, like flight cancellations; travel bans and quarantines; restaurants closed; all indoor events restricted; over forty countries state of emergency declared; massive slowing of the supply chain; stock market volatility; falling business confidence, growing panic among the population, and uncertainty about future.

This report also analyses the impact of Coronavirus COVID-19 on the Vehicle-to-Grid (V2G) 4900 industry.

Based on our recent survey, we have several different scenarios about the Vehicle-to-Grid (V2G) 4900 YoY growth rate for 2020. The probable scenario is expected to grow by a xx% in 2020 and the revenue will be xx in 2020 from US\$ xx million in 2019. The market size of Vehicle-to-Grid (V2G) 4900 will reach xx in 2026, with a CAGR of xx% from 2020 to 2026.

With industry-standard accuracy in analysis and high data integrity, the report makes a brilliant attempt to unveil key opportunities available in the global Vehicle-to-Grid (V2G) market to help players in achieving a strong market position. Buyers of the report can access verified and reliable market forecasts, including those for the overall size of the global Vehicle-to-Grid (V2G) market in terms of both revenue and volume.

Players, stakeholders, and other participants in the global Vehicle-to-Grid (V2G) market will be able to gain the upper hand as they use the report as a powerful resource. For this version of the report, the segmental analysis focuses on sales (volume), revenue and forecast by each application segment in terms of sales and revenue and forecast by each type segment in terms of revenue for the period 2015-2026.

Production and Pricing Analyses

Readers are provided with deeper production analysis, import and export analysis, and pricing analysis for the global Vehicle-to-Grid (V2G) market. As part of production analysis, the report offers accurate statistics and figures for production capacity, production volume by region, and global production and production by each type segment for the period 2015-2026.

In the pricing analysis section of the report, readers are provided with validated statistics and figures for price by manufacturer and price by region for the period 2015-2020 and price by each type segment for the period 2015-2026. The import and export analysis for the global Vehicle-to-Grid (V2G) market has been provided based on region.

Regional and Country-level Analysis

The report offers an exhaustive geographical analysis of the global Vehicle-to-Grid (V2G) market, covering important regions, viz, North America, Europe, China, Japan,

South Korea and India. It also covers key countries (regions), viz, U.S., Canada, Germany, France, U.K., Italy, Russia, China, Japan, South Korea, India, Australia, Taiwan, Indonesia, Thailand, Malaysia, Philippines, Vietnam, Mexico, Brazil, Turkey, Saudi Arabia, UAE, etc.

The report includes country-wise and region-wise market size for the period 2015-2026. It also includes market size and forecast by each application segment in terms of volume for the period 2015-2026.

Competition Analysis

In the competitive analysis section of the report, leading as well as prominent players of the global Vehicle-to-Grid (V2G) market are broadly studied on the basis of key factors. The report offers comprehensive analysis and accurate statistics on sales by the player for the period 2015-2020. It also offers detailed analysis supported by reliable statistics on price and revenue (global level) by player for the period 2015-2020.

On the whole, the report proves to be an effective tool that players can use to gain a competitive edge over their competitors and ensure lasting success in the global Vehicle-to-Grid (V2G) market. All of the findings, data, and information provided in the report are validated and revalidated with the help of trustworthy sources. The analysts who have authored the report took a unique and industry-best research and analysis approach for an in-depth study of the global Vehicle-to-Grid (V2G) market.

The following manufacturers are covered in this report:

AC Propulsion

Corinex

Coritech

EnBW

Endesa

EnerDel

EV Grid

Hitachi

Next Energy

NRG Energy

PG&E

Vehicle-to-Grid (V2G) Breakdown Data by Type

Unidirectional V2G

Bidirectional V2G

Vehicle-to-Grid (V2G) Breakdown Data by Application

Peak power sales

Spinning reserves

Base load power

Peak power as a form of direct load control (DLC)

Peak power to reduce demand charges

Reactive power

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