

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Vehicle-to-Grid (V2G) Market 2018, Forecast to 2023

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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.

SCOPE OF THE REPORT:

This report focuses on the Vehicle-to-Grid (V2G) in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

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. The costs of driver adaptation underlie the challenge of stimulating EV market growth.

Within the technical constraints of today's vehicles, there is no way to meet all drivers' vehicle range requirements for all trips. Drivers may be willing to find alternate modes of transportation, such as public transit or car rentals, if they are sufficiently compensated for the inconvenience. The question is: what is the required compensation, and where in the economic equation can it be captured?

The worldwide market for Vehicle-to-Grid (V2G) is expected to grow at a CAGR of roughly xx% over the next five years, will reach xx million US\$ in 2023, from xx million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

AC Propulsion

Corinex

Coritech

EnBW

Endesa

EnerDel

EV Grid

Hitachi

Next Energy

NRG Energy

PG&E

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Unidirectional V2G

Bidirectional V2G

Market Segment by Applications, can be divided into

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

There are 15 Chapters to deeply display the global Vehicle-to-Grid (V2G) market.

Chapter 1, to describe Vehicle-to-Grid (V2G) Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Vehicle-to-Grid (V2G), with sales, revenue, and price of Vehicle-to-Grid (V2G), in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Vehicle-to-Grid (V2G), for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Vehicle-to-Grid (V2G) market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Vehicle-to-Grid (V2G) sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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