

Vehicle-to-Grid (V2G) Technology Market - 2023-2031

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Abstracts

The Vehicle-to-Grid (V2G) Technology Market was valued at US\$ 2.9 billion in 2023 and is anticipated to reach US\$ 70.9 billion by 2031, at a CAGR of 0.494 from 2026 to 2032.

The report delivers in-depth insights into key market dynamics, including regional growth trends, market segmentation, CAGR projections, and the revenue performance of leading industry players. It also highlights major growth drivers shaping the market landscape. Designed to provide a clear and comprehensive perspective, the report offers a detailed view of the current market size in terms of both value and volume, along with emerging opportunities and the overall development outlook of the Vehicle-to-Grid (V2G) Technology Market.

This report delivers a comprehensive overview of the Vehicle-to-Grid (V2G) Technology Market, with both quantitative and qualitative analyses, to help readers develop growth strategies, assess the competitive landscape, evaluate their position in the current market, and make informed business decisions regarding Vehicle-to-Grid (V2G) Technology Market. The Vehicle-to-Grid (V2G) Technology Market size, estimates, and forecasts are provided in terms of output/shipments (K MT) and revenue (US\$ millions), with 2025 as the base year and historical and forecast data for 2023–2031.

Vehicle-to-Grid (V2G) Technology Market Scope:

By Component

Smart Meters

Electric Vehicle Supply Equipment (EVSE)

Software Solutions

Home Energy Management (HEM)

By Charging

Unidirectional Charging

Bidirectional Charging

By Vehicle

Battery Electric Vehicles (BEVs)

Fuel Cell Vehicles (FCVs)

Plug-in Hybrid Electric Vehicles (PHEVs)

By Battery

Lithium-ion

Nickel-Metal Hydride

Lead-acid

Ultra-capacitors

By Application

Domestic

Commercial

Key Players

Nissan Motor Co., Ltd

NUVVE HOLDING CORP.

Honda Motor Co., Ltd.

ABB

DENSO CORPORATION

Hitachi Energy Ltd.

E.ON UK plc.

Wallbox Chargers, S.L.

Fermata Energy

Everergi Pty Ltd

Major Highlights

This report delivers a comprehensive overview of the Vehicle-to-Grid (V2G) Technology Market, with both quantitative and qualitative analyses, to help readers develop growth strategies, assess the competitive landscape, evaluate their position in the current market, and make informed business decisions regarding Vehicle-to-Grid (V2G) Technology Market. The Vehicle-to-Grid (V2G) Technology Market size, estimates, and forecasts are provided in terms of output/shipments (K Sqm) and revenue (US\$ millions), with 2025 as the base year and historical and forecast data for 2023–2031.

This report will assist keyword manufacturers, new entrants, and companies across the industry value chain with information on revenues, production, and average prices for the overall market and its sub-segments, by company, by Type, by Application, and by region.

Regional Analysis:

North America (U.S., Canada, Mexico)

Europe (U.K., Italy, Germany, Russia, France, Spain, The Netherlands and Rest of Europe)

Asia-Pacific (India, Japan, China, South Korea, Australia, Indonesia Rest of Asia Pacific)

South America (Colombia, Brazil, Argentina, Rest of South America)

Middle East & Africa (Saudi Arabia, U.A.E., South Africa, Rest of Middle East & Africa)

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Target Audience 2026

Manufacturers/ Buyers

Industry Investors/Investment Bankers

Research Professionals

Emerging Companies

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