

Global Bidirectional V2G Charger Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Bidirectional V2G Charger market size was valued at US\$ 560 million in 2024 and is forecast to a readjusted size of USD 2585 million by 2031 with a CAGR of 24.7% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Bidirectional Vehicle-to-Grid (V2G) charger refers to a system that enables two-way energy flow between an electric vehicle (EV) and the power grid. Unlike traditional unidirectional chargers that only allow electricity to flow from the grid to the vehicle, a bidirectional V2G charger allows energy to flow in both directions: from the grid to the vehicle for charging and from the vehicle back to the grid for discharging.

This report is a detailed and comprehensive analysis for global Bidirectional V2G Charger market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Bidirectional V2G Charger market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Bidirectional V2G Charger market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Bidirectional V2G Charger market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Bidirectional V2G Charger market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Bidirectional V2G Charger

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Bidirectional V2G Charger market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include ABB, UUGreenPower, EVBox, Wallbox, Infypower, TELD, Winline Technology, NARI Technology, Beijing SOJO Electric, Magnum Cap, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Bidirectional V2G Charger market is split by Type and by Application. For the period

2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Single-Phase Charger

Three-Phase Charger

Market segment by Application

For Home

For Public

Major players covered

ABB

UUGreenPower

EVBox

Wallbox

Infypower

TELD

Winline Technology

NARI Technology

Beijing SOJO Electric

Magnum Cap

Enphase

CJNOO

Shenzhen Auto Electric Power Plant

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

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

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

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Bidirectional V2G Charger product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Bidirectional V2G Charger, with price, sales quantity, revenue, and global market share of Bidirectional V2G Charger from 2020 to 2025.

Chapter 3, the Bidirectional V2G Charger competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Bidirectional V2G Charger breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Bidirectional V2G Charger market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Bidirectional V2G Charger.

Chapter 14 and 15, to describe Bidirectional V2G Charger sales channel, distributors, customers, research findings and conclusion.

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