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Global EV Bidirectional DC/DC Power Module Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

https://marketpublishers.com/r/G8B22FDB581DEN.html
Date: November 2025
Pages: 82
Price: US$ 3,480.00 (Single User License)
ID: G8B22FDB581DEN

Abstracts

According to our (Global Info Research) latest study, the global EV Bidirectional DC/DC Power Module market size was valued at US$ 5.9 million in 2024 and is forecast to a readjusted size of USD 31.5 million by 2031 with a CAGR of 27.4% 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.

EV Bidirectional DC/DC Power Module is a key component in electric vehicles (EVs) that facilitates bidirectional power flow between the vehicle's battery and the electric grid or other external DC sources. This module enables both charging the vehicle's battery from an external power source (such as the grid or a renewable energy source) and discharging energy from the vehicle's battery back to the grid or other devices.

This report is a detailed and comprehensive analysis for global EV Bidirectional DC/DC Power Module 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:

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Global EV Bidirectional DC/DC Power Module market size and forecasts, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2020-2031

Global EV Bidirectional DC/DC Power Module 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 EV Bidirectional DC/DC Power Module 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 EV Bidirectional DC/DC Power Module 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 EV Bidirectional DC/DC Power Module

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 EV Bidirectional DC/DC Power Module 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 Infypower, UUGreenPower, TonHe, Winline Technology, etc.

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

Market Segmentation

EV Bidirectional DC/DC Power Module market is split by Type and by Application. For

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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

20kW and Below

20-30kW

Above 30kW

Market segment by Application

V2G Charger

Energy Storage Systems (ESS)

Others

Major players covered

Infypower

UUGreenPower

TonHe

Winline Technology

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)

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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 EV Bidirectional DC/DC Power Module product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of EV Bidirectional DC/DC Power Module, with price, sales quantity, revenue, and global market share of EV Bidirectional DC/DC Power Module from 2020 to 2025.

Chapter 3, the EV Bidirectional DC/DC Power Module competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the EV Bidirectional DC/DC Power Module 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 EV Bidirectional DC/DC Power Module 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 EV

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Bidirectional DC/DC Power Module.

Chapter 14 and 15, to describe EV Bidirectional DC/DC Power Module sales channel, distributors, customers, research findings and conclusion.

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