

# Global Automotive Power Modules Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Automotive Power Modules market size was valued at USD 1677.5 million in 2023 and is forecast to a readjusted size of USD 4574.1 million by 2030 with a CAGR of 15.4% during review period.

Automotive Power Modules are used in hybrid and electric vehicles etc. Automotive Power Module provides the physical containment for several power components, usually power semiconductor devices. These power semiconductors (so-called dies) are typically soldered or sintered on a power electronic substrate that carries the power semiconductors, provides electrical and thermal contact and electrical insulation where needed.

Asia-Pacific is the largest Automotive Power Modules market with about 56% market share. Europe is follower, accounting for about 23% market share.

The key players are Infineon, Mitsubishi Electric, Fuji Electric, ON Semiconductor, STMicroelectronics, Hitachi Power Semiconductor Device, Semikron, Danfoss, ROHM, BYD, Starpower Semiconductor etc. Top 3 companies occupied about 52% market share.

The Global Info Research report includes an overview of the development of the Automotive Power Modules industry chain, the market status of Battery Electric Vehicles (BEV) (IGBT Modules, SiC Modules), Plug-in Hybrid Electric Vehicles (PHEV) (IGBT Modules, SiC Modules), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market

trends of Automotive Power Modules.

Regionally, the report analyzes the Automotive Power Modules markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Automotive Power Modules market, with robust domestic demand, supportive policies, and a strong manufacturing base.

**Key Features:**

The report presents comprehensive understanding of the Automotive Power Modules market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Automotive Power Modules industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., IGBT Modules, SiC Modules).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Automotive Power Modules market.

**Regional Analysis:** The report involves examining the Automotive Power Modules market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Automotive Power Modules market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Automotive Power Modules:

**Company Analysis:** Report covers individual Automotive Power Modules manufacturers,

suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Automotive Power Modules. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Battery Electric Vehicles (BEV), Plug-in Hybrid Electric Vehicles (PHEV)).

**Technology Analysis:** Report covers specific technologies relevant to Automotive Power Modules. It assesses the current state, advancements, and potential future developments in Automotive Power Modules areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Automotive Power Modules market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Automotive Power Modules market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

IGBT Modules

SiC Modules

### Market segment by Application

Battery Electric Vehicles (BEV)

Plug-in Hybrid Electric Vehicles (PHEV)

## Major players covered

Infineon

Mitsubishi Electric

Fuji Electric

ON Semiconductor

STMicroelectronics

Hitachi Power Semiconductor Device

Semikron

Danfoss

ROHM

BYD

Starpower Semiconductor

## 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 Automotive Power Modules product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automotive Power Modules, with price, sales, revenue and global market share of Automotive Power Modules from 2019 to 2024.

Chapter 3, the Automotive Power Modules competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automotive Power Modules breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023. and Automotive Power Modules market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Automotive Power Modules.

Chapter 14 and 15, to describe Automotive Power Modules sales channel, distributors, customers, research findings and conclusion.

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