

Global Intelligent Power Modules (IPM) 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 Intelligent Power Modules (IPM) market size was valued at USD 2011 million in 2023 and is forecast to a readjusted size of USD 3141.6 million by 2030 with a CAGR of 6.6% during review period.

In the Chinese market, the main Intelligent Power Modules (IPM) players include Mitsubishi Electric, ON Semiconductor(Fairchild), Infineon Technologies(IR), Fuji Electric, etc. The top four Intelligent Power Modules (IPM) players account for approximately 75% of the total global market. In terms of Type, IGBT-IPM is the largest segment with a share of 96%. And in terms of Applications, the largest segment is Household Appliances, followed by Industrial Control.

The Global Info Research report includes an overview of the development of the Intelligent Power Modules (IPM) industry chain, the market status of Automotive (IGBT-IPM, MOSFET-IPM), Household Appliances (IGBT-IPM, MOSFET-IPM), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Intelligent Power Modules (IPM).

Regionally, the report analyzes the Intelligent Power Modules (IPM) 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 Intelligent Power Modules (IPM) market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Intelligent Power Modules (IPM) 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 Intelligent Power Modules (IPM) 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-IPM, MOSFET-IPM).

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 Intelligent Power Modules (IPM) market.

Regional Analysis: The report involves examining the Intelligent Power Modules (IPM) 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 Intelligent Power Modules (IPM) market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Intelligent Power Modules (IPM):

Company Analysis: Report covers individual Intelligent Power Modules (IPM) 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 Intelligent Power Modules (IPM) This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Automotive, Household Appliances).

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

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Intelligent Power Modules (IPM) 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

Intelligent Power Modules (IPM) 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-IPM

MOSFET-IPM

Market segment by Application

Automotive

Household Appliances

New Energy Power Generation

Industrial Control

Rail Transit

Others

Major players covered

Mitsubishi Electric

Onsemi

Infineon

Fuji Electric

Semikron Danfoss

STMicroelectronics

ROHM

Hangzhou Silan Microelectronics

BYD

Shenzhen Invsemi Technology

Jilin Sino-Microelectronics

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 Intelligent Power Modules (IPM) product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Intelligent Power Modules (IPM) 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 Intelligent Power Modules (IPM) 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 Intelligent Power Modules (IPM).

Chapter 14 and 15, to describe Intelligent Power Modules (IPM) sales channel, distributors, customers, research findings and conclusion.

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