

# Global IGBT Power Module Market Growth 2024-2030

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## Abstracts

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According to our LPI (LP Information) latest study, the global IGBT Power Module market size was valued at US\$ 5196.9 million in 2023. With growing demand in downstream market, the IGBT Power Module is forecast to a readjusted size of US\$ 13090 million by 2030 with a CAGR of 14.1% during review period.

The research report highlights the growth potential of the global IGBT Power Module market. IGBT Power Module are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of IGBT Power Module. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the IGBT Power Module market.

An IGBT Power Module is a power semiconductor component used in power electronic devices in several industries as they have high-power efficiency, high blocking voltage, and ability to work in low power. An IGBT Power Module is formed by arranging several IGBTs in parallel in a single casing.

An IGBT-Based Power Module functions as a switch and can be used to switch electrical power on and off extremely fast and with high energy efficiency. The IGBT power module is becoming the preferred device for high power applications due to its ability to enhance switching, temperature, weight and cost performance.

Global 5 largest manufacturers of IGBT Power Module are Infineon, Mitsubishi Electric (Vincotech), Fuji Electric, Semikron Danfoss and StarPower Semiconductor, which make up about 70%. Among them, Infineon is the leader with about 30% market share.

China is the largest market, has a share over 40%, followed by EMEA and APAC (excluding China), with share about 30% and 18%, separately. In terms of product type, MV IGBT Modules are the largest segment, with a share about 56%. In terms of product application, the largest application is automotive & EV/HEV, with a share about 33%, followed by industrial control and wind power, PV, energy storage.

#### Key Features:

The report on IGBT Power Module market reflects various aspects and provide valuable insights into the industry.

**Market Size and Growth:** The research report provide an overview of the current size and growth of the IGBT Power Module market. It may include historical data, market segmentation by Type (e.g., LV IGBT Modules, MV IGBT Modules), and regional breakdowns.

**Market Drivers and Challenges:** The report can identify and analyse the factors driving the growth of the IGBT Power Module market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

**Competitive Landscape:** The research report provides analysis of the competitive landscape within the IGBT Power Module market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

**Technological Developments:** The research report can delve into the latest technological developments in the IGBT Power Module industry. This include advancements in IGBT Power Module technology, IGBT Power Module new entrants, IGBT Power Module new investment, and other innovations that are shaping the future of IGBT Power Module.

**Downstream Procumbent Preference:** The report can shed light on customer procumbent behaviour and adoption trends in the IGBT Power Module market. It includes factors influencing customer ' purchasing decisions, preferences for IGBT Power Module product.

**Government Policies and Incentives:** The research report analyse the impact of government policies and incentives on the IGBT Power Module market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting IGBT Power Module market. The report also evaluates the effectiveness of these policies in driving market growth.

**Environmental Impact and Sustainability:** The research report assess the environmental impact and sustainability aspects of the IGBT Power Module market.

**Market Forecasts and Future Outlook:** Based on the analysis conducted, the research report provide market forecasts and outlook for the IGBT Power Module industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

**Recommendations and Opportunities:** The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the IGBT Power Module market.

**Market Segmentation:**

IGBT Power Module 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.

**Segmentation by type**

LV IGBT Modules

MV IGBT Modules

HV IGBT Modules

**Segmentation by application**

Automotive & EV/HEV

Industrial Control

Consumer Appliances

Wind power, PV, Energy Storage

Traction

Military & Avionics

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Infineon

Mitsubishi Electric (Vincotech)

Fuji Electric

Semikron Danfoss

Hitachi Power Semiconductor Device

Bosch

onsemi

Toshiba

Littelfuse (IXYS)

Microchip (Microsemi)

STMicroelectronics

Vishay

Denso

SanRex Corporation

Cisoid

StarPower Semiconductor

BYD

Zhuzhou CRRC Times Electric

Hangzhou Silan Microelectronics

MacMic Science & Technology

China Resources Microelectronics Limited

Yangzhou Yangjie Electronic Technology

EcoSemitek

## Key Questions Addressed in this Report

What is the 10-year outlook for the global IGBT Power Module market?

What factors are driving IGBT Power Module market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do IGBT Power Module market opportunities vary by end market size?

How does IGBT Power Module break out type, application?

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