

Global IGBT Market 2025 by Company, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global IGBT market size was valued at US\$ 12860 million in 2024 and is forecast to a readjusted size of USD 34140 million by 2031 with a CAGR of 15.1% during review period.

IGBT is short for Insulated Gate Bipolar Transistor. It is a power transistor with a MOS structure for an input part and a bipolar one for an output part. Suitable for high voltage and high current, it is capable of controlling high power with less drive power.

The global IGBT market is dominated by Infineon Technologies, Mitsubishi Electric Corporation, Fuji Electric, ON Semiconductor, Semikron, etc. The top five manufacturers account for about 55% market share.

Japan is the largest IGBT market with a market share of about 40%, followed by Europe with a market share of about 30%.

This report is a detailed and comprehensive analysis for global IGBT market. Both quantitative and qualitative analyses are presented by company, 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 IGBT market size and forecasts, in consumption value (\$ Million), 2020-2031

Global IGBT market size and forecasts by region and country, in consumption value (\$ Million), 2020-2031

Global IGBT market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2020-2031

Global IGBT market shares of main players, in revenue (\$ Million), 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 IGBT

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 IGBT market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Infineon, Mitsubishi Electric (Vincotech), Fuji Electric, Semikron Danfoss, Hitachi Power Semiconductor Device, Bosch, onsemi, Toshiba, Littelfuse (IXYS), Microchip (Microsemi), etc.

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

Market segmentation

IGBT 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. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

IGBT Modules

IGBT Discretes

IGBT-IPM

Market segment by Application

Automotive & EV/HEV

Industrial Control

Consumer Appliances

Wind power, PV, Energy Storage

Traction

Military & Avionics

Others

Market segment by players, this report covers

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

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe IGBT product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of IGBT, with revenue, gross margin, and global market share of IGBT from 2020 to 2025.

Chapter 3, the IGBT competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2020 to 2031

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2020 to 2025. and IGBT market forecast, by regions, by Type and by Application, with consumption value, from 2026 to 2031.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of IGBT.

Chapter 13, to describe IGBT research findings and conclusion.

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