

# Global IGBT Competitive Landscape Professional Research Report 2025

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## Abstracts

### Market Overview

According to DIResearch's in-depth investigation and research, the global IGBT market size will reach 15,540 Million USD in 2025 and is projected to reach 39,802 Million USD by 2032, with a CAGR of 14.38% (2025-2032). Notably, the China IGBT market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

### Research Summary

Insulated Gate Bipolar Transistor (IGBT) is a power semiconductor device that combines the advantages of both Metal-Oxide-Semiconductor Field-Effect Transistor (MOSFET) and Bipolar Junction Transistor (BJT). IGBTs are widely used in power electronics applications, particularly in high-power and high-voltage systems. They are known for their ability to handle large amounts of power and voltage while offering controllability. IGBTs consist of a gate-insulated gate, similar to a MOSFET, and a bipolar transistor structure. This combination allows them to achieve the high switching speed of MOSFETs and the high current-carrying capability of bipolar transistors. IGBTs are commonly used in applications such as motor drives, power inverters, induction heating, and other systems requiring efficient and controlled power switching. Their widespread use in various industries highlights their importance in modern power electronics.

The major global suppliers of IGBT include Infineon, Mitsubishi Electric (Vincotech), Fuji Electric, Semikron Danfoss, Hitachi Power Semiconductor Device, Bosch, onsemi, Toshiba, Littelfuse (IXYS), Microchip (Microsemi), STMicroelectronics, Vishay, Denso,

SanRex Corporation, Cissoid, StarPower Semiconductor, BYD, Zhuzhou CRRC Times Electric, Hangzhou Silan Microelectronics, MacMic Science & Technology, China Resources Microelectronics Limited, Yangzhou Yangjie Electronic Technology, EcoSemitek, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of IGBT. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major suppliers, as well as the market status and trends of different product types and applications in the global IGBT market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the IGBT market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of IGBT industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Suppliers of IGBT Include:

Infineon

Mitsubishi Electric (Vincotech)

Fuji Electric

Semikron Danfoss

Hitachi Power Semiconductor Device

Bosch

onsemi

Toshiba

Littelfuse (IXYS)

Microchip (Microsemi)

STMicroelectronics

Vishay

Denso

SanRex Corporation

Cissoid

StarPower Semiconductor

BYD

Zhuzhou CRRC Times Electric

Hangzhou Silan Microelectronics

MacMic Science & Technology

China Resources Microelectronics Limited

Yangzhou Yangjie Electronic Technology

EcoSemitek

IGBT Product Segment Include:

IGBT Modules

IGBT Discretes

IGBT-IPM

IGBT Product Application Include:

Automotive & EV/HEV

Industrial Control

Consumer Appliances

Wind power, PV, Energy Storage

Traction

Military & Avionics

Others

## **Chapter Scope**

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