

# Global Insulated Gate Bipolar Transistor Market Growth 2025-2031

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## Abstracts

The global Insulated Gate Bipolar Transistor market size is predicted to grow from US\$ million in 2025 to US\$ million in 2031; it is expected to grow at a CAGR of % from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

Insulated Gate Bipolar Transistor (IGBT) is a power semiconductor device and majorly finds application in switch, pulse modulation and phase control among others. This device competes with other power semiconductor devices including power MOSFETs, Silicon-Carbide (SiC), Gallium-Nitride (GaN). IGBT has been gaining demand owing to lower switching losses and higher reliability, which highlights features including higher efficiency and better thermal performance. The increasing focus and increased investments in R&D on IGBT chip and module optimization to reduce power consumption, improve chip density, thermal resistivity and efficiency would further strengthen the position of IGBT power semiconductor market.

United States market for Insulated Gate Bipolar Transistor is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Insulated Gate Bipolar Transistor is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Insulated Gate Bipolar Transistor is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key Insulated Gate Bipolar Transistor players cover Infineon Technologies AG, Fujitsu Ltd, NXP Semiconductors N.V, STMicroelectronics N.V., Toshiba Corporation, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the “Insulated Gate Bipolar Transistor Industry Forecast” looks at past sales and reviews total world Insulated Gate Bipolar Transistor sales in 2024, providing a comprehensive analysis by region and market sector of projected Insulated Gate Bipolar Transistor sales for 2025 through 2031. With Insulated Gate Bipolar Transistor sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Insulated Gate Bipolar Transistor industry.

This Insight Report provides a comprehensive analysis of the global Insulated Gate Bipolar Transistor landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Insulated Gate Bipolar Transistor portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Insulated Gate Bipolar Transistor market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Insulated Gate Bipolar Transistor and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Insulated Gate Bipolar Transistor.

This report presents a comprehensive overview, market shares, and growth opportunities of Insulated Gate Bipolar Transistor market by product type, application, key manufacturers and key regions and countries.

### **Segmentation by Type:**

High Below 1kV

High Below 1kV

Very High Above 1kV

**Segmentation by Application:**

Uninterruptible power supply (UPS)

Electric and hybrid electric vehicles (EV/HEV)

Industrial systems

Consumer electronics

Medical devices

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 analysing the company's coverage, product portfolio, its market penetration.

Infineon Technologies AG

Fujitsu Ltd

NXP Semiconductors N.V

STMicroelectronics N.V.

Toshiba Corporation

Vishay Intertechnology, Inc

Renesas Electronics Corporation

ROHM Co. Ltd

Fairchild Semiconductor International, Inc

Fuji Electric Co. Ltd

### **Key Questions Addressed in this Report**

What is the 10-year outlook for the global Insulated Gate Bipolar Transistor market?

What factors are driving Insulated Gate Bipolar Transistor market growth, globally and by region?

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

How do Insulated Gate Bipolar Transistor market opportunities vary by end market size?

How does Insulated Gate Bipolar Transistor break out by Type, by Application?

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