

Insulated Gate Bipolar Transistor Market - Global Outlook and Forecast 2022-2028

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Abstracts

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.

This report contains market size and forecasts of Insulated Gate Bipolar Transistor in global, including the following market information:

Global Insulated Gate Bipolar Transistor Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Insulated Gate Bipolar Transistor Market Sales, 2017-2022, 2023-2028, (K Units)

Global top five Insulated Gate Bipolar Transistor companies in 2021 (%)

The global Insulated Gate Bipolar Transistor market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

High Below 1kV Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Insulated Gate Bipolar Transistor include Infineon Technologies AG, Fujitsu Ltd, NXP Semiconductors N.V, STMicroelectronics N.V., Toshiba Corporation, Vishay Intertechnology, Inc, Renesas Electronics Corporation, ROHM Co. Ltd and Fairchild Semiconductor International, Inc and etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Insulated Gate Bipolar Transistor manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Insulated Gate Bipolar Transistor Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Insulated Gate Bipolar Transistor Market Segment Percentages, by Type, 2021 (%)

High Below 1kV

High Below 1kV

Very High Above 1kV

Global Insulated Gate Bipolar Transistor Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Insulated Gate Bipolar Transistor Market Segment Percentages, by Application, 2021 (%)

Uninterruptible power supply (UPS)

Electric and hybrid electric vehicles (EV/HEV)

Industrial systems

Consumer electronics

Medical devices

Others

Global Insulated Gate Bipolar Transistor Market, By Region and Country, 2017-2022,
2023-2028 (\$ Millions) & (K Units)

Global Insulated Gate Bipolar Transistor Market Segment Percentages, By Region and
Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Insulated Gate Bipolar Transistor revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Insulated Gate Bipolar Transistor revenues share in global market, 2021 (%)

Key companies Insulated Gate Bipolar Transistor sales in global market, 2017-2022 (Estimated), (K Units)

Key companies Insulated Gate Bipolar Transistor sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

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

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