

Global IGBT Discretes Market Growth 2023-2029

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Abstracts

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Insulated gate bipolar transistor (IGBT) is a compound full-controlled voltage-driven semiconductor power device composed of bipolar transistor (BJT) and MOSFET. It combines the high input impedance of MOSFET and the low of bipolar transistor (BJT). The advantages of the conduction voltage drop are that the IGBT drive power is small and the saturation voltage is reduced. It is very suitable for use in converter systems with a DC voltage of 600V and above, such as AC motors, inverters, switching power supplies, lighting circuits, traction drives, etc.

LPI (LP Information)' newest research report, the "IGBT Discretes Industry Forecast" looks at past sales and reviews total world IGBT Discretes sales in 2022, providing a comprehensive analysis by region and market sector of projected IGBT Discretes sales for 2023 through 2029. With IGBT Discretes sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world IGBT Discretes industry.

This Insight Report provides a comprehensive analysis of the global IGBT Discretes 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 IGBT Discretes portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global IGBT Discretes market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for IGBT Discretes 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 IGBT Discretes.

The global IGBT Discretes market size is projected to grow from US\$ million in 2022 to US\$ million in 2029; it is expected to grow at a CAGR of % from 2023 to 2029.

United States market for IGBT Discretes is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

China market for IGBT Discretes is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Europe market for IGBT Discretes is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Global key IGBT Discretes players cover Infineon, ON Semiconductor, ST Microelectronics, Mitsubishi Electric (Vincotech), Toshiba, Fuji Electric, Rohm, Renesas Electronics and Diodes Incorporated, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2022.

This report presents a comprehensive overview, market shares, and growth opportunities of IGBT Discretes market by product type, application, key manufacturers and key regions and countries.

Market Segmentation:

Segmentation by type

LV IGBT

MV IGBT

HV IGBT

Segmentation by application

EV

High-speed Railway

Photovoltaic

Wind Power

Home Appliances

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

ON Semiconductor

ST Microelectronics

Mitsubishi Electric (Vincotech)

Toshiba

Fuji Electric

Rohm

Renesas Electronics

Diodes Incorporated

Littelfuse (IXYS)

Alpha & Omega Semiconductor

Microchip

Sanken Electric

MagnaChip

KEC Corporation

Unisonic Technologies (UTC)

China Resources Microelectronics Limited

Jilin Sino-Microelectronics

NCEPOWER

WeEn Semiconductors

MacMic Science & Technolog

BYD

Hangzhou Silan Microelectronics

Key Questions Addressed in this Report

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

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

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

How do IGBT Discretes market opportunities vary by end market size?

How does IGBT Discretes break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

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