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2018-2023 Global Insulated Gate Bipolar Transistors and Metal Oxide Field Effect Transistor Consumption Market Report

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Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

In this report, LP Information covers the present scenario (with the base year being 2017) and the growth prospects of global Insulated Gate Bipolar Transistors and Metal Oxide Field Effect Transistor market for 2018-2023.

IGBT aims to deliver faster switching rate and higher efficiency to enable proper operations at high voltage or high current. In addition, it can be used for dynamic breaking, where the power is dissipated by resistors that are connected in parallel or in series. It is widely used in high power rating applications, which include electric vehicle motor drives, inductive heating cookers, and appliance motor drives.
IGBT is widely used in various applications such as renewable energy, high voltage direct current (HVDC), motor drive, and consumer electronics, owing to its faster switching rate, high efficiency, and improved durability. Moreover, it supports high input impedance and improved parallel current sharing; thereby, fueling the market growth. However, performance issues, such as current leakage and breakdown, hamper the market growth. Proactive government initiatives to establish HVDCs & smart grids and increase in demand for consumer electronic are expected to provide lucrative opportunities to market players in the near future.

Over the next five years, LPI(LP Information) projects that Insulated Gate Bipolar Transistors and Metal Oxide Field Effect Transistor will register a xx% CAGR in terms of revenue, reach US$ xx million by 2023, from US$ xx million in 2017.

This report presents a comprehensive overview, market shares, and growth

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opportunities of Insulated Gate Bipolar Transistors and Metal Oxide Field Effect Transistor market by product type, application, key manufacturers and key regions.

To calculate the market size, LP Information considers value and volume generated from the sales of the following segments:

Segmentation by product type:

Discrete IGBT

IGBT Module

Energy & Power

Segmentation by application:

Consumer Electronics

Inverter & UPS

Electric Vehicle

Industrial System

Others (Medical Devices & Traction)

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

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APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Spain

Middle East & Africa

Egypt

South Africa

Israel

Turkey

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GCC Countries

The report also presents the market competition landscape and a corresponding detailed analysis of the major vendor/manufacturers in the market. The key manufacturers covered in this report:

Fairchild Semiconductor International Inc

STMicroelectronics

ABB Ltd

Hitachi Power Semiconductor Device Ltd

Toshiba Corporation

Mitsubishi Electric Corporation

Infineon Technologies AG

...

In addition, this report discusses the key drivers influencing market growth, opportunities, the challenges and the risks faced by key manufacturers and the market as a whole. It also analyzes key emerging trends and their impact on present and future development.

Research objectives

To study and analyze the global Insulated Gate Bipolar Transistors and Metal Oxide Field Effect Transistor consumption (value & volume) by key regions/countries, product type and application, history data from 2013 to 2017, and forecast to 2023.

To understand the structure of Insulated Gate Bipolar Transistors and Metal Oxide Field Effect Transistor market by identifying its various subsegments.

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Focuses on the key global Insulated Gate Bipolar Transistors and Metal Oxide Field Effect Transistor manufacturers, to define, describe and analyze the sales volume, value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the Insulated Gate Bipolar Transistors and Metal Oxide Field Effect Transistor with respect to individual growth trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the consumption of Insulated Gate Bipolar Transistors and Metal Oxide Field Effect Transistor submarkets, with respect to key regions (along with their respective key countries).

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

To strategically profile the key players and comprehensively analyze their growth strategies.

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