

# Global New Energy Vehicle IGBT Market Growth 2024-2030

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## Abstracts

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IGBT (Insulated Gate Bipolar Transistor) in new energy vehicles is a key power device used to control the electric drive system of electric vehicles. As a power semiconductor device, IGBT can achieve efficient power control and conversion in the electric drive system of electric vehicles. The main function of IGBT is to control the flow of current and voltage in the electric drive system of electric vehicles, thereby achieving speed control and torque output of the electric motor. It is often used in inverters in electric vehicles to convert DC power provided by the battery into AC power to drive the electric motor. The performance of IGBT directly affects the power performance, energy efficiency and stability of electric vehicles.

The global New Energy Vehicle IGBT market size is projected to grow from US\$ 4745 million in 2024 to US\$ 15860 million in 2030; it is expected to grow at a CAGR of 22.3% from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the “New Energy Vehicle IGBT Industry Forecast” looks at past sales and reviews total world New Energy Vehicle IGBT sales in 2023, providing a comprehensive analysis by region and market sector of projected New Energy Vehicle IGBT sales for 2024 through 2030. With New Energy Vehicle IGBT sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world New Energy Vehicle IGBT industry.

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

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

United States market for New Energy Vehicle IGBT is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

China market for New Energy Vehicle IGBT is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Europe market for New Energy Vehicle IGBT is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Global key New Energy Vehicle IGBT players cover Mitsubishi Electric, Infineon Technologies (IR), Fuji Electric, Semikron, Hitachi, etc. In terms of revenue, the global two largest companies occupied for a share nearly

% in 2023.

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

Segmentation by Type:

Below 600V

600-1200V

More than 1200V

Segmentation by Application:

Motor Controller

On-Board Charger (OBC)

Car Air Conditioner

DC Charging Station

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.

Mitsubishi Electric

Infineon Technologies (IR)

Fuji Electric

Semikron

Hitachi

ON Semiconductor (Fairchild)

ABB

IXYS Corporation

Starpower Semiconductor

CRRC

Vishay

MacMic

Silan

BYD

STMicroelectronics

Littelfuse

Rohm Semiconductor

## Key Questions Addressed in this Report

What is the 10-year outlook for the global New Energy Vehicle IGBT market?

What factors are driving New Energy Vehicle IGBT market growth, globally and by region?

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

How do New Energy Vehicle IGBT market opportunities vary by end market size?

How does New Energy Vehicle IGBT break out by Type, by Application?

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