

Global WBG Power Devices Market Growth 2025-2031

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Abstracts

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The global WBG Power Devices market size is predicted to grow from US\$ 2382 million in 2025 to US\$ 14190 million in 2031; it is expected to grow at a CAGR of 34.6% from 2025 to 2031.

WBG Power Devices market, Wide-bandgap semiconductors (WBG or WBGS) are semiconductor materials which have a relatively large band gap compared to typical semiconductors.

We focus on the Silicon Carbide (SiC) and gallium nitride (GaN) WBG Power Devices in this report.

Currently, there are many producing companies in the world. The main market players are Infineon, Rohm, Mitsubishi, STMicro, Fuji, Toshiba, Microsemi, United Silicon Carbide Inc. , GeneSic , Efficient Power Conversion (EPC), GaN Systems and so on. Infineon is the largest production Company for WBG Power Devices, with a production value market share nearly 49%.

Europe is the largest consumption place, with a consumption market share nearly 36%. Following Europe, Japan is the second largest consumption place with the consumption market share of 32%.

LP Information, Inc. (LPI) ' newest research report, the "WBG Power Devices Industry Forecast" looks at past sales and reviews total world WBG Power Devices sales in 2024, providing a comprehensive analysis by region and market sector of projected WBG Power Devices sales for 2025 through 2031. With WBG Power Devices sales broken down by region, market sector and sub-sector, this report provides a detailed

analysis in US\$ millions of the world WBG Power Devices industry.

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for WBG Power Devices 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 WBG Power Devices.

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

Segmentation by Type:

GaN

SiC

Segmentation by Application:

Consumer Electronics

Automotive & Transportation

Industrial Use

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

Rohm

Mitsubishi

STMicro

Fuji

Toshiba

Microsemi

United Silicon Carbide Inc.

GeneSic

Efficient Power Conversion (EPC)

GaN Systems

Key Questions Addressed in this Report

What is the 10-year outlook for the global WBG Power Devices market?

What factors are driving WBG Power Devices market growth, globally and by region?

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

How do WBG Power Devices market opportunities vary by end market size?

How does WBG Power Devices break out by Type, by Application?

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