

# Global Wide Bandgap Power (WBG) Semiconductor Devices Market Research Report 2024(Status and Outlook)

<https://marketpublishers.com/r/GC40E967DEDCEN.html>

Date: September 2024

Pages: 137

Price: US\$ 3,200.00 (Single User License)

ID: GC40E967DEDCEN

## Abstracts

### Report Overview:

Wide-bandgap semiconductors (WBG) are semiconductor materials which have a relatively large band gap compared to typical semiconductors.

The Global Wide Bandgap Power (WBG) Semiconductor Devices Market Size was estimated at USD 1279.95 million in 2023 and is projected to reach USD 8425.86 million by 2029, exhibiting a CAGR of 36.90% during the forecast period.

This report provides a deep insight into the global Wide Bandgap Power (WBG) Semiconductor Devices market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, Porter's five forces analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global Wide Bandgap Power (WBG) Semiconductor Devices Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers,

consultants, business strategists, and all those who have any kind of stake or are planning to foray into the Wide Bandgap Power (WBG) Semiconductor Devices market in any manner.

## Global Wide Bandgap Power (WBG) Semiconductor Devices Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

### Key Company

Wolfsped (Cree)

Infineon Technologies

ROHM Semiconductor

STMicroelectronics

onsemi

Mitsubishi Electric

Littelfuse

Microchip Technology

GeneSiC Semiconductor

Transphorm

GaN Systems

Navitas Semiconductor

Efficient Power Conversion (EPC)

Market Segmentation (by Type)

Power SiC Device

Power GaN Device

Market Segmentation (by Application)

Photovoltaic and Energy Storage Systems

Electric Vehicle Charging Infrastructure

PFC Power Supply

Rail

Motor Drive

UPS

Others

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

### Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Wide Bandgap Power (WBG) Semiconductor Devices Market

Overview of the regional outlook of the Wide Bandgap Power (WBG) Semiconductor Devices Market:

### Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth

as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

## Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Note: this report may need to undergo a final check or review and this could take about 48 hours.

## Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division

standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Wide Bandgap Power (WBG) Semiconductor Devices Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the Market's Competitive Landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development

potential of each market segment (product type and application) in the next five years.

Chapter 12 is the main points and conclusions of the report.

## Contents

### **1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE**

- 1.1 Market Definition and Statistical Scope of Wide Bandgap Power (WBG) Semiconductor Devices
- 1.2 Key Market Segments
  - 1.2.1 Wide Bandgap Power (WBG) Semiconductor Devices Segment by Type
  - 1.2.2 Wide Bandgap Power (WBG) Semiconductor Devices Segment by Application
- 1.3 Methodology & Sources of Information
  - 1.3.1 Research Methodology
  - 1.3.2 Research Process
  - 1.3.3 Market Breakdown and Data Triangulation
  - 1.3.4 Base Year
  - 1.3.5 Report Assumptions & Caveats

### **2 WIDE BANDGAP POWER (WBG) SEMICONDUCTOR DEVICES MARKET OVERVIEW**

- 2.1 Global Market Overview
  - 2.1.1 Global Wide Bandgap Power (WBG) Semiconductor Devices Market Size (M USD) Estimates and Forecasts (2019-2030)
  - 2.1.2 Global Wide Bandgap Power (WBG) Semiconductor Devices Sales Estimates and Forecasts (2019-2030)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

### **3 WIDE BANDGAP POWER (WBG) SEMICONDUCTOR DEVICES MARKET COMPETITIVE LANDSCAPE**

- 3.1 Global Wide Bandgap Power (WBG) Semiconductor Devices Sales by Manufacturers (2019-2024)
- 3.2 Global Wide Bandgap Power (WBG) Semiconductor Devices Revenue Market Share by Manufacturers (2019-2024)
- 3.3 Wide Bandgap Power (WBG) Semiconductor Devices Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.4 Global Wide Bandgap Power (WBG) Semiconductor Devices Average Price by Manufacturers (2019-2024)
- 3.5 Manufacturers Wide Bandgap Power (WBG) Semiconductor Devices Sales Sites,



Area Served, Product Type

3.6 Wide Bandgap Power (WBG) Semiconductor Devices Market Competitive Situation and Trends

3.6.1 Wide Bandgap Power (WBG) Semiconductor Devices Market Concentration Rate

3.6.2 Global 5 and 10 Largest Wide Bandgap Power (WBG) Semiconductor Devices Players Market Share by Revenue

3.6.3 Mergers & Acquisitions, Expansion

## **4 WIDE BANDGAP POWER (WBG) SEMICONDUCTOR DEVICES INDUSTRY CHAIN ANALYSIS**

4.1 Wide Bandgap Power (WBG) Semiconductor Devices Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

## **5 THE DEVELOPMENT AND DYNAMICS OF WIDE BANDGAP POWER (WBG) SEMICONDUCTOR DEVICES MARKET**

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Market Restraints

5.5 Industry News

5.5.1 New Product Developments

5.5.2 Mergers & Acquisitions

5.5.3 Expansions

5.5.4 Collaboration/Supply Contracts

5.6 Industry Policies

## **6 WIDE BANDGAP POWER (WBG) SEMICONDUCTOR DEVICES MARKET SEGMENTATION BY TYPE**

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global Wide Bandgap Power (WBG) Semiconductor Devices Sales Market Share by Type (2019-2024)

6.3 Global Wide Bandgap Power (WBG) Semiconductor Devices Market Size Market Share by Type (2019-2024)

6.4 Global Wide Bandgap Power (WBG) Semiconductor Devices Price by Type (2019-2024)

## **7 WIDE BANDGAP POWER (WBG) SEMICONDUCTOR DEVICES MARKET SEGMENTATION BY APPLICATION**

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global Wide Bandgap Power (WBG) Semiconductor Devices Market Sales by Application (2019-2024)

7.3 Global Wide Bandgap Power (WBG) Semiconductor Devices Market Size (M USD) by Application (2019-2024)

7.4 Global Wide Bandgap Power (WBG) Semiconductor Devices Sales Growth Rate by Application (2019-2024)

## **8 WIDE BANDGAP POWER (WBG) SEMICONDUCTOR DEVICES MARKET SEGMENTATION BY REGION**

8.1 Global Wide Bandgap Power (WBG) Semiconductor Devices Sales by Region

8.1.1 Global Wide Bandgap Power (WBG) Semiconductor Devices Sales by Region

8.1.2 Global Wide Bandgap Power (WBG) Semiconductor Devices Sales Market Share by Region

8.2 North America

8.2.1 North America Wide Bandgap Power (WBG) Semiconductor Devices Sales by Country

8.2.2 U.S.

8.2.3 Canada

8.2.4 Mexico

8.3 Europe

8.3.1 Europe Wide Bandgap Power (WBG) Semiconductor Devices Sales by Country

8.3.2 Germany

8.3.3 France

8.3.4 U.K.

8.3.5 Italy

8.3.6 Russia

8.4 Asia Pacific

8.4.1 Asia Pacific Wide Bandgap Power (WBG) Semiconductor Devices Sales by Region

8.4.2 China

8.4.3 Japan

8.4.4 South Korea

8.4.5 India

8.4.6 Southeast Asia

8.5 South America

8.5.1 South America Wide Bandgap Power (WBG) Semiconductor Devices Sales by Country

8.5.2 Brazil

8.5.3 Argentina

8.5.4 Columbia

8.6 Middle East and Africa

8.6.1 Middle East and Africa Wide Bandgap Power (WBG) Semiconductor Devices Sales by Region

8.6.2 Saudi Arabia

8.6.3 UAE

8.6.4 Egypt

8.6.5 Nigeria

8.6.6 South Africa

## **9 KEY COMPANIES PROFILE**

9.1 Wolfspeed (Cree)

9.1.1 Wolfspeed (Cree) Wide Bandgap Power (WBG) Semiconductor Devices Basic Information

9.1.2 Wolfspeed (Cree) Wide Bandgap Power (WBG) Semiconductor Devices Product Overview

9.1.3 Wolfspeed (Cree) Wide Bandgap Power (WBG) Semiconductor Devices Product Market Performance

9.1.4 Wolfspeed (Cree) Business Overview

9.1.5 Wolfspeed (Cree) Wide Bandgap Power (WBG) Semiconductor Devices SWOT Analysis

9.1.6 Wolfspeed (Cree) Recent Developments

9.2 Infineon Technologies

9.2.1 Infineon Technologies Wide Bandgap Power (WBG) Semiconductor Devices Basic Information

9.2.2 Infineon Technologies Wide Bandgap Power (WBG) Semiconductor Devices Product Overview

9.2.3 Infineon Technologies Wide Bandgap Power (WBG) Semiconductor Devices Product Market Performance

9.2.4 Infineon Technologies Business Overview

9.2.5 Infineon Technologies Wide Bandgap Power (WBG) Semiconductor Devices  
SWOT Analysis

9.2.6 Infineon Technologies Recent Developments

9.3 ROHM Semiconductor

9.3.1 ROHM Semiconductor Wide Bandgap Power (WBG) Semiconductor Devices  
Basic Information

9.3.2 ROHM Semiconductor Wide Bandgap Power (WBG) Semiconductor Devices  
Product Overview

9.3.3 ROHM Semiconductor Wide Bandgap Power (WBG) Semiconductor Devices  
Product Market Performance

9.3.4 ROHM Semiconductor Wide Bandgap Power (WBG) Semiconductor Devices  
SWOT Analysis

9.3.5 ROHM Semiconductor Business Overview

9.3.6 ROHM Semiconductor Recent Developments

9.4 STMicroelectronics

9.4.1 STMicroelectronics Wide Bandgap Power (WBG) Semiconductor Devices Basic  
Information

9.4.2 STMicroelectronics Wide Bandgap Power (WBG) Semiconductor Devices  
Product Overview

9.4.3 STMicroelectronics Wide Bandgap Power (WBG) Semiconductor Devices  
Product Market Performance

9.4.4 STMicroelectronics Business Overview

9.4.5 STMicroelectronics Recent Developments

9.5 onsemi

9.5.1 onsemi Wide Bandgap Power (WBG) Semiconductor Devices Basic Information

9.5.2 onsemi Wide Bandgap Power (WBG) Semiconductor Devices Product Overview

9.5.3 onsemi Wide Bandgap Power (WBG) Semiconductor Devices Product Market  
Performance

9.5.4 onsemi Business Overview

9.5.5 onsemi Recent Developments

9.6 Mitsubishi Electric

9.6.1 Mitsubishi Electric Wide Bandgap Power (WBG) Semiconductor Devices Basic  
Information

9.6.2 Mitsubishi Electric Wide Bandgap Power (WBG) Semiconductor Devices Product  
Overview

9.6.3 Mitsubishi Electric Wide Bandgap Power (WBG) Semiconductor Devices Product  
Market Performance

9.6.4 Mitsubishi Electric Business Overview

9.6.5 Mitsubishi Electric Recent Developments

## 9.7 Littelfuse

9.7.1 Littelfuse Wide Bandgap Power (WBG) Semiconductor Devices Basic Information

9.7.2 Littelfuse Wide Bandgap Power (WBG) Semiconductor Devices Product Overview

9.7.3 Littelfuse Wide Bandgap Power (WBG) Semiconductor Devices Product Market Performance

9.7.4 Littelfuse Business Overview

9.7.5 Littelfuse Recent Developments

## 9.8 Microchip Technology

9.8.1 Microchip Technology Wide Bandgap Power (WBG) Semiconductor Devices Basic Information

9.8.2 Microchip Technology Wide Bandgap Power (WBG) Semiconductor Devices Product Overview

9.8.3 Microchip Technology Wide Bandgap Power (WBG) Semiconductor Devices Product Market Performance

9.8.4 Microchip Technology Business Overview

9.8.5 Microchip Technology Recent Developments

## 9.9 GeneSiC Semiconductor

9.9.1 GeneSiC Semiconductor Wide Bandgap Power (WBG) Semiconductor Devices Basic Information

9.9.2 GeneSiC Semiconductor Wide Bandgap Power (WBG) Semiconductor Devices Product Overview

9.9.3 GeneSiC Semiconductor Wide Bandgap Power (WBG) Semiconductor Devices Product Market Performance

9.9.4 GeneSiC Semiconductor Business Overview

9.9.5 GeneSiC Semiconductor Recent Developments

## 9.10 Transphorm

9.10.1 Transphorm Wide Bandgap Power (WBG) Semiconductor Devices Basic Information

9.10.2 Transphorm Wide Bandgap Power (WBG) Semiconductor Devices Product Overview

9.10.3 Transphorm Wide Bandgap Power (WBG) Semiconductor Devices Product Market Performance

9.10.4 Transphorm Business Overview

9.10.5 Transphorm Recent Developments

## 9.11 GaN Systems

9.11.1 GaN Systems Wide Bandgap Power (WBG) Semiconductor Devices Basic Information

9.11.2 GaN Systems Wide Bandgap Power (WBG) Semiconductor Devices Product Overview

9.11.3 GaN Systems Wide Bandgap Power (WBG) Semiconductor Devices Product Market Performance

9.11.4 GaN Systems Business Overview

9.11.5 GaN Systems Recent Developments

9.12 Navitas Semiconductor

9.12.1 Navitas Semiconductor Wide Bandgap Power (WBG) Semiconductor Devices Basic Information

9.12.2 Navitas Semiconductor Wide Bandgap Power (WBG) Semiconductor Devices Product Overview

9.12.3 Navitas Semiconductor Wide Bandgap Power (WBG) Semiconductor Devices Product Market Performance

9.12.4 Navitas Semiconductor Business Overview

9.12.5 Navitas Semiconductor Recent Developments

9.13 Efficient Power Conversion (EPC)

9.13.1 Efficient Power Conversion (EPC) Wide Bandgap Power (WBG) Semiconductor Devices Basic Information

9.13.2 Efficient Power Conversion (EPC) Wide Bandgap Power (WBG) Semiconductor Devices Product Overview

9.13.3 Efficient Power Conversion (EPC) Wide Bandgap Power (WBG) Semiconductor Devices Product Market Performance

9.13.4 Efficient Power Conversion (EPC) Business Overview

9.13.5 Efficient Power Conversion (EPC) Recent Developments

## **10 WIDE BANDGAP POWER (WBG) SEMICONDUCTOR DEVICES MARKET FORECAST BY REGION**

10.1 Global Wide Bandgap Power (WBG) Semiconductor Devices Market Size Forecast

10.2 Global Wide Bandgap Power (WBG) Semiconductor Devices Market Forecast by Region

10.2.1 North America Market Size Forecast by Country

10.2.2 Europe Wide Bandgap Power (WBG) Semiconductor Devices Market Size Forecast by Country

10.2.3 Asia Pacific Wide Bandgap Power (WBG) Semiconductor Devices Market Size Forecast by Region

10.2.4 South America Wide Bandgap Power (WBG) Semiconductor Devices Market Size Forecast by Country

10.2.5 Middle East and Africa Forecasted Consumption of Wide Bandgap Power

(WBG) Semiconductor Devices by Country

## **11 FORECAST MARKET BY TYPE AND BY APPLICATION (2025-2030)**

11.1 Global Wide Bandgap Power (WBG) Semiconductor Devices Market Forecast by Type (2025-2030)

11.1.1 Global Forecasted Sales of Wide Bandgap Power (WBG) Semiconductor Devices by Type (2025-2030)

11.1.2 Global Wide Bandgap Power (WBG) Semiconductor Devices Market Size Forecast by Type (2025-2030)

11.1.3 Global Forecasted Price of Wide Bandgap Power (WBG) Semiconductor Devices by Type (2025-2030)

11.2 Global Wide Bandgap Power (WBG) Semiconductor Devices Market Forecast by Application (2025-2030)

11.2.1 Global Wide Bandgap Power (WBG) Semiconductor Devices Sales (K Units) Forecast by Application

11.2.2 Global Wide Bandgap Power (WBG) Semiconductor Devices Market Size (M USD) Forecast by Application (2025-2030)

## **12 CONCLUSION AND KEY FINDINGS**



## List Of Tables

### LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Market Size (M USD) Segment Executive Summary

Table 4. Wide Bandgap Power (WBG) Semiconductor Devices Market Size Comparison by Region (M USD)

Table 5. Global Wide Bandgap Power (WBG) Semiconductor Devices Sales (K Units) by Manufacturers (2019-2024)

Table 6. Global Wide Bandgap Power (WBG) Semiconductor Devices Sales Market Share by Manufacturers (2019-2024)

Table 7. Global Wide Bandgap Power (WBG) Semiconductor Devices Revenue (M USD) by Manufacturers (2019-2024)

Table 8. Global Wide Bandgap Power (WBG) Semiconductor Devices Revenue Share by Manufacturers (2019-2024)

Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Wide Bandgap Power (WBG) Semiconductor Devices as of 2022)

Table 10. Global Market Wide Bandgap Power (WBG) Semiconductor Devices Average Price (USD/Unit) of Key Manufacturers (2019-2024)

Table 11. Manufacturers Wide Bandgap Power (WBG) Semiconductor Devices Sales Sites and Area Served

Table 12. Manufacturers Wide Bandgap Power (WBG) Semiconductor Devices Product Type

Table 13. Global Wide Bandgap Power (WBG) Semiconductor Devices Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 14. Mergers & Acquisitions, Expansion Plans

Table 15. Industry Chain Map of Wide Bandgap Power (WBG) Semiconductor Devices

Table 16. Market Overview of Key Raw Materials

Table 17. Midstream Market Analysis

Table 18. Downstream Customer Analysis

Table 19. Key Development Trends

Table 20. Driving Factors

Table 21. Wide Bandgap Power (WBG) Semiconductor Devices Market Challenges

Table 22. Global Wide Bandgap Power (WBG) Semiconductor Devices Sales by Type (K Units)

Table 23. Global Wide Bandgap Power (WBG) Semiconductor Devices Market Size by Type (M USD)



- Table 24. Global Wide Bandgap Power (WBG) Semiconductor Devices Sales (K Units) by Type (2019-2024)
- Table 25. Global Wide Bandgap Power (WBG) Semiconductor Devices Sales Market Share by Type (2019-2024)
- Table 26. Global Wide Bandgap Power (WBG) Semiconductor Devices Market Size (M USD) by Type (2019-2024)
- Table 27. Global Wide Bandgap Power (WBG) Semiconductor Devices Market Size Share by Type (2019-2024)
- Table 28. Global Wide Bandgap Power (WBG) Semiconductor Devices Price (USD/Unit) by Type (2019-2024)
- Table 29. Global Wide Bandgap Power (WBG) Semiconductor Devices Sales (K Units) by Application
- Table 30. Global Wide Bandgap Power (WBG) Semiconductor Devices Market Size by Application
- Table 31. Global Wide Bandgap Power (WBG) Semiconductor Devices Sales by Application (2019-2024) & (K Units)
- Table 32. Global Wide Bandgap Power (WBG) Semiconductor Devices Sales Market Share by Application (2019-2024)
- Table 33. Global Wide Bandgap Power (WBG) Semiconductor Devices Sales by Application (2019-2024) & (M USD)
- Table 34. Global Wide Bandgap Power (WBG) Semiconductor Devices Market Share by Application (2019-2024)
- Table 35. Global Wide Bandgap Power (WBG) Semiconductor Devices Sales Growth Rate by Application (2019-2024)
- Table 36. Global Wide Bandgap Power (WBG) Semiconductor Devices Sales by Region (2019-2024) & (K Units)
- Table 37. Global Wide Bandgap Power (WBG) Semiconductor Devices Sales Market Share by Region (2019-2024)
- Table 38. North America Wide Bandgap Power (WBG) Semiconductor Devices Sales by Country (2019-2024) & (K Units)
- Table 39. Europe Wide Bandgap Power (WBG) Semiconductor Devices Sales by Country (2019-2024) & (K Units)
- Table 40. Asia Pacific Wide Bandgap Power (WBG) Semiconductor Devices Sales by Region (2019-2024) & (K Units)
- Table 41. South America Wide Bandgap Power (WBG) Semiconductor Devices Sales by Country (2019-2024) & (K Units)
- Table 42. Middle East and Africa Wide Bandgap Power (WBG) Semiconductor Devices Sales by Region (2019-2024) & (K Units)
- Table 43. Wolfsped (Cree) Wide Bandgap Power (WBG) Semiconductor Devices

## Basic Information

Table 44. Wolfsped (Cree) Wide Bandgap Power (WBG) Semiconductor Devices  
Product Overview

Table 45. Wolfsped (Cree) Wide Bandgap Power (WBG) Semiconductor Devices  
Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 46. Wolfsped (Cree) Business Overview

Table 47. Wolfsped (Cree) Wide Bandgap Power (WBG) Semiconductor Devices  
SWOT Analysis

Table 48. Wolfsped (Cree) Recent Developments

Table 49. Infineon Technologies Wide Bandgap Power (WBG) Semiconductor Devices  
Basic Information

Table 50. Infineon Technologies Wide Bandgap Power (WBG) Semiconductor Devices  
Product Overview

Table 51. Infineon Technologies Wide Bandgap Power (WBG) Semiconductor Devices  
Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 52. Infineon Technologies Business Overview

Table 53. Infineon Technologies Wide Bandgap Power (WBG) Semiconductor Devices  
SWOT Analysis

Table 54. Infineon Technologies Recent Developments

Table 55. ROHM Semiconductor Wide Bandgap Power (WBG) Semiconductor Devices  
Basic Information

Table 56. ROHM Semiconductor Wide Bandgap Power (WBG) Semiconductor Devices  
Product Overview

Table 57. ROHM Semiconductor Wide Bandgap Power (WBG) Semiconductor Devices  
Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 58. ROHM Semiconductor Wide Bandgap Power (WBG) Semiconductor Devices  
SWOT Analysis

Table 59. ROHM Semiconductor Business Overview

Table 60. ROHM Semiconductor Recent Developments

Table 61. STMicroelectronics Wide Bandgap Power (WBG) Semiconductor Devices  
Basic Information

Table 62. STMicroelectronics Wide Bandgap Power (WBG) Semiconductor Devices  
Product Overview

Table 63. STMicroelectronics Wide Bandgap Power (WBG) Semiconductor Devices  
Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 64. STMicroelectronics Business Overview

Table 65. STMicroelectronics Recent Developments

Table 66. onsemi Wide Bandgap Power (WBG) Semiconductor Devices Basic  
Information

Table 67. onsemi Wide Bandgap Power (WBG) Semiconductor Devices Product Overview

Table 68. onsemi Wide Bandgap Power (WBG) Semiconductor Devices Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 69. onsemi Business Overview

Table 70. onsemi Recent Developments

Table 71. Mitsubishi Electric Wide Bandgap Power (WBG) Semiconductor Devices Basic Information

Table 72. Mitsubishi Electric Wide Bandgap Power (WBG) Semiconductor Devices Product Overview

Table 73. Mitsubishi Electric Wide Bandgap Power (WBG) Semiconductor Devices Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 74. Mitsubishi Electric Business Overview

Table 75. Mitsubishi Electric Recent Developments

Table 76. Littelfuse Wide Bandgap Power (WBG) Semiconductor Devices Basic Information

Table 77. Littelfuse Wide Bandgap Power (WBG) Semiconductor Devices Product Overview

Table 78. Littelfuse Wide Bandgap Power (WBG) Semiconductor Devices Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 79. Littelfuse Business Overview

Table 80. Littelfuse Recent Developments

Table 81. Microchip Technology Wide Bandgap Power (WBG) Semiconductor Devices Basic Information

Table 82. Microchip Technology Wide Bandgap Power (WBG) Semiconductor Devices Product Overview

Table 83. Microchip Technology Wide Bandgap Power (WBG) Semiconductor Devices Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 84. Microchip Technology Business Overview

Table 85. Microchip Technology Recent Developments

Table 86. GeneSiC Semiconductor Wide Bandgap Power (WBG) Semiconductor Devices Basic Information

Table 87. GeneSiC Semiconductor Wide Bandgap Power (WBG) Semiconductor Devices Product Overview

Table 88. GeneSiC Semiconductor Wide Bandgap Power (WBG) Semiconductor Devices Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 89. GeneSiC Semiconductor Business Overview

Table 90. GeneSiC Semiconductor Recent Developments

Table 91. Transphorm Wide Bandgap Power (WBG) Semiconductor Devices Basic Information

Table 92. Transphorm Wide Bandgap Power (WBG) Semiconductor Devices Product Overview

Table 93. Transphorm Wide Bandgap Power (WBG) Semiconductor Devices Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 94. Transphorm Business Overview

Table 95. Transphorm Recent Developments

Table 96. GaN Systems Wide Bandgap Power (WBG) Semiconductor Devices Basic Information

Table 97. GaN Systems Wide Bandgap Power (WBG) Semiconductor Devices Product Overview

Table 98. GaN Systems Wide Bandgap Power (WBG) Semiconductor Devices Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 99. GaN Systems Business Overview

Table 100. GaN Systems Recent Developments

Table 101. Navitas Semiconductor Wide Bandgap Power (WBG) Semiconductor Devices Basic Information

Table 102. Navitas Semiconductor Wide Bandgap Power (WBG) Semiconductor Devices Product Overview

Table 103. Navitas Semiconductor Wide Bandgap Power (WBG) Semiconductor Devices Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 104. Navitas Semiconductor Business Overview

Table 105. Navitas Semiconductor Recent Developments

Table 106. Efficient Power Conversion (EPC) Wide Bandgap Power (WBG) Semiconductor Devices Basic Information

Table 107. Efficient Power Conversion (EPC) Wide Bandgap Power (WBG) Semiconductor Devices Product Overview

Table 108. Efficient Power Conversion (EPC) Wide Bandgap Power (WBG) Semiconductor Devices Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 109. Efficient Power Conversion (EPC) Business Overview

Table 110. Efficient Power Conversion (EPC) Recent Developments

Table 111. Global Wide Bandgap Power (WBG) Semiconductor Devices Sales Forecast by Region (2025-2030) & (K Units)

Table 112. Global Wide Bandgap Power (WBG) Semiconductor Devices Market Size Forecast by Region (2025-2030) & (M USD)

Table 113. North America Wide Bandgap Power (WBG) Semiconductor Devices Sales

Forecast by Country (2025-2030) & (K Units)

Table 114. North America Wide Bandgap Power (WBG) Semiconductor Devices Market Size Forecast by Country (2025-2030) & (M USD)

Table 115. Europe Wide Bandgap Power (WBG) Semiconductor Devices Sales Forecast by Country (2025-2030) & (K Units)

Table 116. Europe Wide Bandgap Power (WBG) Semiconductor Devices Market Size Forecast by Country (2025-2030) & (M USD)

Table 117. Asia Pacific Wide Bandgap Power (WBG) Semiconductor Devices Sales Forecast by Region (2025-2030) & (K Units)

Table 118. Asia Pacific Wide Bandgap Power (WBG) Semiconductor Devices Market Size Forecast by Region (2025-2030) & (M USD)

Table 119. South America Wide Bandgap Power (WBG) Semiconductor Devices Sales Forecast by Country (2025-2030) & (K Units)

Table 120. South America Wide Bandgap Power (WBG) Semiconductor Devices Market Size Forecast by Country (2025-2030) & (M USD)

Table 121. Middle East and Africa Wide Bandgap Power (WBG) Semiconductor Devices Consumption Forecast by Country (2025-2030) & (Units)

Table 122. Middle East and Africa Wide Bandgap Power (WBG) Semiconductor Devices Market Size Forecast by Country (2025-2030) & (M USD)

Table 123. Global Wide Bandgap Power (WBG) Semiconductor Devices Sales Forecast by Type (2025-2030) & (K Units)

Table 124. Global Wide Bandgap Power (WBG) Semiconductor Devices Market Size Forecast by Type (2025-2030) & (M USD)

Table 125. Global Wide Bandgap Power (WBG) Semiconductor Devices Price Forecast by Type (2025-2030) & (USD/Unit)

Table 126. Global Wide Bandgap Power (WBG) Semiconductor Devices Sales (K Units) Forecast by Application (2025-2030)

Table 127. Global Wide Bandgap Power (WBG) Semiconductor Devices Market Size Forecast by Application (2025-2030) & (M USD)



## List Of Figures

### LIST OF FIGURES

Figure 1. Product Picture of Wide Bandgap Power (WBG) Semiconductor Devices

Figure 2. Data Triangulation

Figure 3. Key Caveats

Figure 4. Global Wide Bandgap Power (WBG) Semiconductor Devices Market Size (M USD), 2019-2030

Figure 5. Global Wide Bandgap Power (WBG) Semiconductor Devices Market Size (M USD) (2019-2030)

Figure 6. Global Wide Bandgap Power (WBG) Semiconductor Devices Sales (K Units) & (2019-2030)

Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 9. Evaluation Matrix of Regional Market Development Potential

Figure 10. Wide Bandgap Power (WBG) Semiconductor Devices Market Size by Country (M USD)

Figure 11. Wide Bandgap Power (WBG) Semiconductor Devices Sales Share by Manufacturers in 2023

Figure 12. Global Wide Bandgap Power (WBG) Semiconductor Devices Revenue Share by Manufacturers in 2023

Figure 13. Wide Bandgap Power (WBG) Semiconductor Devices Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2023

Figure 14. Global Market Wide Bandgap Power (WBG) Semiconductor Devices Average Price (USD/Unit) of Key Manufacturers in 2023

Figure 15. The Global 5 and 10 Largest Players: Market Share by Wide Bandgap Power (WBG) Semiconductor Devices Revenue in 2023

Figure 16. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 17. Global Wide Bandgap Power (WBG) Semiconductor Devices Market Share by Type

Figure 18. Sales Market Share of Wide Bandgap Power (WBG) Semiconductor Devices by Type (2019-2024)

Figure 19. Sales Market Share of Wide Bandgap Power (WBG) Semiconductor Devices by Type in 2023

Figure 20. Market Size Share of Wide Bandgap Power (WBG) Semiconductor Devices by Type (2019-2024)

Figure 21. Market Size Market Share of Wide Bandgap Power (WBG) Semiconductor Devices by Type in 2023

Figure 22. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 23. Global Wide Bandgap Power (WBG) Semiconductor Devices Market Share by Application

Figure 24. Global Wide Bandgap Power (WBG) Semiconductor Devices Sales Market Share by Application (2019-2024)

Figure 25. Global Wide Bandgap Power (WBG) Semiconductor Devices Sales Market Share by Application in 2023

Figure 26. Global Wide Bandgap Power (WBG) Semiconductor Devices Market Share by Application (2019-2024)

Figure 27. Global Wide Bandgap Power (WBG) Semiconductor Devices Market Share by Application in 2023

Figure 28. Global Wide Bandgap Power (WBG) Semiconductor Devices Sales Growth Rate by Application (2019-2024)

Figure 29. Global Wide Bandgap Power (WBG) Semiconductor Devices Sales Market Share by Region (2019-2024)

Figure 30. North America Wide Bandgap Power (WBG) Semiconductor Devices Sales and Growth Rate (2019-2024) & (K Units)

Figure 31. North America Wide Bandgap Power (WBG) Semiconductor Devices Sales Market Share by Country in 2023

Figure 32. U.S. Wide Bandgap Power (WBG) Semiconductor Devices Sales and Growth Rate (2019-2024) & (K Units)

Figure 33. Canada Wide Bandgap Power (WBG) Semiconductor Devices Sales (K Units) and Growth Rate (2019-2024)

Figure 34. Mexico Wide Bandgap Power (WBG) Semiconductor Devices Sales (Units) and Growth Rate (2019-2024)

Figure 35. Europe Wide Bandgap Power (WBG) Semiconductor Devices Sales and Growth Rate (2019-2024) & (K Units)

Figure 36. Europe Wide Bandgap Power (WBG) Semiconductor Devices Sales Market Share by Country in 2023

Figure 37. Germany Wide Bandgap Power (WBG) Semiconductor Devices Sales and Growth Rate (2019-2024) & (K Units)

Figure 38. France Wide Bandgap Power (WBG) Semiconductor Devices Sales and Growth Rate (2019-2024) & (K Units)

Figure 39. U.K. Wide Bandgap Power (WBG) Semiconductor Devices Sales and Growth Rate (2019-2024) & (K Units)

Figure 40. Italy Wide Bandgap Power (WBG) Semiconductor Devices Sales and Growth Rate (2019-2024) & (K Units)

Figure 41. Russia Wide Bandgap Power (WBG) Semiconductor Devices Sales and Growth Rate (2019-2024) & (K Units)

Figure 42. Asia Pacific Wide Bandgap Power (WBG) Semiconductor Devices Sales and Growth Rate (K Units)

Figure 43. Asia Pacific Wide Bandgap Power (WBG) Semiconductor Devices Sales Market Share by Region in 2023

Figure 44. China Wide Bandgap Power (WBG) Semiconductor Devices Sales and Growth Rate (2019-2024) & (K Units)

Figure 45. Japan Wide Bandgap Power (WBG) Semiconductor Devices Sales and Growth Rate (2019-2024) & (K Units)

Figure 46. South Korea Wide Bandgap Power (WBG) Semiconductor Devices Sales and Growth Rate (2019-2024) & (K Units)

Figure 47. India Wide Bandgap Power (WBG) Semiconductor Devices Sales and Growth Rate (2019-2024) & (K Units)

Figure 48. Southeast Asia Wide Bandgap Power (WBG) Semiconductor Devices Sales and Growth Rate (2019-2024) & (K Units)

Figure 49. South America Wide Bandgap Power (WBG) Semiconductor Devices Sales and Growth Rate (K Units)

Figure 50. South America Wide Bandgap Power (WBG) Semiconductor Devices Sales Market Share by Country in 2023

Figure 51. Brazil Wide Bandgap Power (WBG) Semiconductor Devices Sales and Growth Rate (2019-2024) & (K Units)

Figure 52. Argentina Wide Bandgap Power (WBG) Semiconductor Devices Sales and Growth Rate (2019-2024) & (K Units)

Figure 53. Columbia Wide Bandgap Power (WBG) Semiconductor Devices Sales and Growth Rate (2019-2024) & (K Units)

Figure 54. Middle East and Africa Wide Bandgap Power (WBG) Semiconductor Devices Sales and Growth Rate (K Units)

Figure 55. Middle East and Africa Wide Bandgap Power (WBG) Semiconductor Devices Sales Market Share by Region in 2023

Figure 56. Saudi Arabia Wide Bandgap Power (WBG) Semiconductor Devices Sales and Growth Rate (2019-2024) & (K Units)

Figure 57. UAE Wide Bandgap Power (WBG) Semiconductor Devices Sales and Growth Rate (2019-2024) & (K Units)

Figure 58. Egypt Wide Bandgap Power (WBG) Semiconductor Devices Sales and Growth Rate (2019-2024) & (K Units)

Figure 59. Nigeria Wide Bandgap Power (WBG) Semiconductor Devices Sales and Growth Rate (2019-2024) & (K Units)

Figure 60. South Africa Wide Bandgap Power (WBG) Semiconductor Devices Sales and Growth Rate (2019-2024) & (K Units)

Figure 61. Global Wide Bandgap Power (WBG) Semiconductor Devices Sales Forecast



by Volume (2019-2030) & (K Units)

Figure 62. Global Wide Bandgap Power (WBG) Semiconductor Devices Market Size Forecast by Value (2019-2030) & (M USD)

Figure 63. Global Wide Bandgap Power (WBG) Semiconductor Devices Sales Market Share Forecast by Type (2025-2030)

Figure 64. Global Wide Bandgap Power (WBG) Semiconductor Devices Market Share Forecast by Type (2025-2030)

Figure 65. Global Wide Bandgap Power (WBG) Semiconductor Devices Sales Forecast by Application (2025-2030)

Figure 66. Global Wide Bandgap Power (WBG) Semiconductor Devices Market Share Forecast by Application (2025-2030)

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