

Global SiC IGBT Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/GA9C2616C308EN.html>

Date: July 2024

Pages: 80

Price: US\$ 4,480.00 (Single User License)

ID: GA9C2616C308EN

Abstracts

The global SiC IGBT market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

This report studies the global SiC IGBT production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for SiC IGBT, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of SiC IGBT that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global SiC IGBT total production and demand, 2018-2029, (Pieces)

Global SiC IGBT total production value, 2018-2029, (USD Million)

Global SiC IGBT production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Pieces)

Global SiC IGBT consumption by region & country, CAGR, 2018-2029 & (Pieces)

U.S. VS China: SiC IGBT domestic production, consumption, key domestic manufacturers and share

Global SiC IGBT production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Pieces)

Global SiC IGBT production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Pieces)

Global SiC IGBT production by Application production, value, CAGR, 2018-2029, (USD Million) & (Pieces)

This reports profiles key players in the global SiC IGBT market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include onsemi, Infineon Technologies and STATE GRID Corporation of China, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World SiC IGBT market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Pieces) and average price (US\$/Piece) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global SiC IGBT Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global SiC IGBT Market, Segmentation by Type

SiC N-Channel IGBT

SiC P-Channel IGBT

Global SiC IGBT Market, Segmentation by Application

HVDC Power Transmission

Rail Traffic

New Energy Automobile

PV & Wind Power

Companies Profiled:

onsemi

Infineon Technologies

STATE GRID Corporation of China

Key Questions Answered

1. How big is the global SiC IGBT market?

2. What is the demand of the global SiC IGBT market?
3. What is the year over year growth of the global SiC IGBT market?
4. What is the production and production value of the global SiC IGBT market?
5. Who are the key producers in the global SiC IGBT market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 SiC IGBT Introduction
- 1.2 World SiC IGBT Supply & Forecast
 - 1.2.1 World SiC IGBT Production Value (2018 & 2022 & 2029)
 - 1.2.2 World SiC IGBT Production (2018-2029)
 - 1.2.3 World SiC IGBT Pricing Trends (2018-2029)
- 1.3 World SiC IGBT Production by Region (Based on Production Site)
 - 1.3.1 World SiC IGBT Production Value by Region (2018-2029)
 - 1.3.2 World SiC IGBT Production by Region (2018-2029)
 - 1.3.3 World SiC IGBT Average Price by Region (2018-2029)
 - 1.3.4 Japan SiC IGBT Production (2018-2029)
 - 1.3.5 US SiC IGBT Production (2018-2029)
 - 1.3.6 China SiC IGBT Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 SiC IGBT Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 SiC IGBT Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
 - 1.5.1 Influence of COVID-19
 - 1.5.2 Influence of Russia-Ukraine War

2 DEMAND SUMMARY

- 2.1 World SiC IGBT Demand (2018-2029)
- 2.2 World SiC IGBT Consumption by Region
 - 2.2.1 World SiC IGBT Consumption by Region (2018-2023)
 - 2.2.2 World SiC IGBT Consumption Forecast by Region (2024-2029)
- 2.3 United States SiC IGBT Consumption (2018-2029)
- 2.4 China SiC IGBT Consumption (2018-2029)
- 2.5 Europe SiC IGBT Consumption (2018-2029)
- 2.6 Japan SiC IGBT Consumption (2018-2029)
- 2.7 South Korea SiC IGBT Consumption (2018-2029)
- 2.8 ASEAN SiC IGBT Consumption (2018-2029)
- 2.9 India SiC IGBT Consumption (2018-2029)

3 WORLD SiC IGBT MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World SiC IGBT Production Value by Manufacturer (2018-2023)
- 3.2 World SiC IGBT Production by Manufacturer (2018-2023)
- 3.3 World SiC IGBT Average Price by Manufacturer (2018-2023)
- 3.4 SiC IGBT Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global SiC IGBT Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for SiC IGBT in 2022
 - 3.5.3 Global Concentration Ratios (CR8) for SiC IGBT in 2022
- 3.6 SiC IGBT Market: Overall Company Footprint Analysis
 - 3.6.1 SiC IGBT Market: Region Footprint
 - 3.6.2 SiC IGBT Market: Company Product Type Footprint
 - 3.6.3 SiC IGBT Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: SiC IGBT Production Value Comparison
 - 4.1.1 United States VS China: SiC IGBT Production Value Comparison (2018 & 2022 & 2029)
 - 4.1.2 United States VS China: SiC IGBT Production Value Market Share Comparison (2018 & 2022 & 2029)
- 4.2 United States VS China: SiC IGBT Production Comparison
 - 4.2.1 United States VS China: SiC IGBT Production Comparison (2018 & 2022 & 2029)
 - 4.2.2 United States VS China: SiC IGBT Production Market Share Comparison (2018 & 2022 & 2029)
- 4.3 United States VS China: SiC IGBT Consumption Comparison
 - 4.3.1 United States VS China: SiC IGBT Consumption Comparison (2018 & 2022 & 2029)
 - 4.3.2 United States VS China: SiC IGBT Consumption Market Share Comparison (2018 & 2022 & 2029)
- 4.4 United States Based SiC IGBT Manufacturers and Market Share, 2018-2023
 - 4.4.1 United States Based SiC IGBT Manufacturers, Headquarters and Production Site

(States, Country)

4.4.2 United States Based Manufacturers SiC IGBT Production Value (2018-2023)

4.4.3 United States Based Manufacturers SiC IGBT Production (2018-2023)

4.5 China Based SiC IGBT Manufacturers and Market Share

4.5.1 China Based SiC IGBT Manufacturers, Headquarters and Production Site
(Province, Country)

4.5.2 China Based Manufacturers SiC IGBT Production Value (2018-2023)

4.5.3 China Based Manufacturers SiC IGBT Production (2018-2023)

4.6 Rest of World Based SiC IGBT Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based SiC IGBT Manufacturers, Headquarters and Production
Site (State, Country)

4.6.2 Rest of World Based Manufacturers SiC IGBT Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers SiC IGBT Production (2018-2023)

5 MARKET ANALYSIS BY TYPE

5.1 World SiC IGBT Market Size Overview by Type: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Type

5.2.1 SiC N-Channel IGBT

5.2.2 SiC P-Channel IGBT

5.3 Market Segment by Type

5.3.1 World SiC IGBT Production by Type (2018-2029)

5.3.2 World SiC IGBT Production Value by Type (2018-2029)

5.3.3 World SiC IGBT Average Price by Type (2018-2029)

6 MARKET ANALYSIS BY APPLICATION

6.1 World SiC IGBT Market Size Overview by Application: 2018 VS 2022 VS 2029

6.2 Segment Introduction by Application

6.2.1 HVDC Power Transmission

6.2.2 Rail Traffic

6.2.3 New Energy Automobile

6.2.4 PV & Wind Power

6.3 Market Segment by Application

6.3.1 World SiC IGBT Production by Application (2018-2029)

6.3.2 World SiC IGBT Production Value by Application (2018-2029)

6.3.3 World SiC IGBT Average Price by Application (2018-2029)

7 COMPANY PROFILES

7.1 onsemi

7.1.1 onsemi Details

7.1.2 onsemi Major Business

7.1.3 onsemi SiC IGBT Product and Services

7.1.4 onsemi SiC IGBT Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.1.5 onsemi Recent Developments/Updates

7.1.6 onsemi Competitive Strengths & Weaknesses

7.2 Infineon Technologies

7.2.1 Infineon Technologies Details

7.2.2 Infineon Technologies Major Business

7.2.3 Infineon Technologies SiC IGBT Product and Services

7.2.4 Infineon Technologies SiC IGBT Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.2.5 Infineon Technologies Recent Developments/Updates

7.2.6 Infineon Technologies Competitive Strengths & Weaknesses

7.3 STATE GRID Corporation of China

7.3.1 STATE GRID Corporation of China Details

7.3.2 STATE GRID Corporation of China Major Business

7.3.3 STATE GRID Corporation of China SiC IGBT Product and Services

7.3.4 STATE GRID Corporation of China SiC IGBT Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.3.5 STATE GRID Corporation of China Recent Developments/Updates

7.3.6 STATE GRID Corporation of China Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

8.1 SiC IGBT Industry Chain

8.2 SiC IGBT Upstream Analysis

8.2.1 SiC IGBT Core Raw Materials

8.2.2 Main Manufacturers of SiC IGBT Core Raw Materials

8.3 Midstream Analysis

8.4 Downstream Analysis

8.5 SiC IGBT Production Mode

8.6 SiC IGBT Procurement Model

8.7 SiC IGBT Industry Sales Model and Sales Channels

8.7.1 SiC IGBT Sales Model

8.7.2 SiC IGBT Typical Customers

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

10.1 Methodology

10.2 Research Process and Data Source

10.3 Disclaimer

List Of Tables

LIST OF TABLES

- Table 1. World SiC IGBT Production Value by Region (2018, 2022 and 2029) & (USD Million)
- Table 2. World SiC IGBT Production Value by Region (2018-2023) & (USD Million)
- Table 3. World SiC IGBT Production Value by Region (2024-2029) & (USD Million)
- Table 4. World SiC IGBT Production Value Market Share by Region (2018-2023)
- Table 5. World SiC IGBT Production Value Market Share by Region (2024-2029)
- Table 6. World SiC IGBT Production by Region (2018-2023) & (Pieces)
- Table 7. World SiC IGBT Production by Region (2024-2029) & (Pieces)
- Table 8. World SiC IGBT Production Market Share by Region (2018-2023)
- Table 9. World SiC IGBT Production Market Share by Region (2024-2029)
- Table 10. World SiC IGBT Average Price by Region (2018-2023) & (US\$/Piece)
- Table 11. World SiC IGBT Average Price by Region (2024-2029) & (US\$/Piece)
- Table 12. SiC IGBT Major Market Trends
- Table 13. World SiC IGBT Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (Pieces)
- Table 14. World SiC IGBT Consumption by Region (2018-2023) & (Pieces)
- Table 15. World SiC IGBT Consumption Forecast by Region (2024-2029) & (Pieces)
- Table 16. World SiC IGBT Production Value by Manufacturer (2018-2023) & (USD Million)
- Table 17. Production Value Market Share of Key SiC IGBT Producers in 2022
- Table 18. World SiC IGBT Production by Manufacturer (2018-2023) & (Pieces)
- Table 19. Production Market Share of Key SiC IGBT Producers in 2022
- Table 20. World SiC IGBT Average Price by Manufacturer (2018-2023) & (US\$/Piece)
- Table 21. Global SiC IGBT Company Evaluation Quadrant
- Table 22. World SiC IGBT Industry Rank of Major Manufacturers, Based on Production Value in 2022
- Table 23. Head Office and SiC IGBT Production Site of Key Manufacturer
- Table 24. SiC IGBT Market: Company Product Type Footprint
- Table 25. SiC IGBT Market: Company Product Application Footprint
- Table 26. SiC IGBT Competitive Factors
- Table 27. SiC IGBT New Entrant and Capacity Expansion Plans
- Table 28. SiC IGBT Mergers & Acquisitions Activity
- Table 29. United States VS China SiC IGBT Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)
- Table 30. United States VS China SiC IGBT Production Comparison, (2018 & 2022 &

2029) & (Pieces)

Table 31. United States VS China SiC IGBT Consumption Comparison, (2018 & 2022 & 2029) & (Pieces)

Table 32. United States Based SiC IGBT Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers SiC IGBT Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers SiC IGBT Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers SiC IGBT Production (2018-2023) & (Pieces)

Table 36. United States Based Manufacturers SiC IGBT Production Market Share (2018-2023)

Table 37. China Based SiC IGBT Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers SiC IGBT Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers SiC IGBT Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers SiC IGBT Production (2018-2023) & (Pieces)

Table 41. China Based Manufacturers SiC IGBT Production Market Share (2018-2023)

Table 42. Rest of World Based SiC IGBT Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers SiC IGBT Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers SiC IGBT Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers SiC IGBT Production (2018-2023) & (Pieces)

Table 46. Rest of World Based Manufacturers SiC IGBT Production Market Share (2018-2023)

Table 47. World SiC IGBT Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World SiC IGBT Production by Type (2018-2023) & (Pieces)

Table 49. World SiC IGBT Production by Type (2024-2029) & (Pieces)

Table 50. World SiC IGBT Production Value by Type (2018-2023) & (USD Million)

Table 51. World SiC IGBT Production Value by Type (2024-2029) & (USD Million)

Table 52. World SiC IGBT Average Price by Type (2018-2023) & (US\$/Piece)

Table 53. World SiC IGBT Average Price by Type (2024-2029) & (US\$/Piece)

Table 54. World SiC IGBT Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World SiC IGBT Production by Application (2018-2023) & (Pieces)

Table 56. World SiC IGBT Production by Application (2024-2029) & (Pieces)

Table 57. World SiC IGBT Production Value by Application (2018-2023) & (USD Million)

Table 58. World SiC IGBT Production Value by Application (2024-2029) & (USD Million)

Table 59. World SiC IGBT Average Price by Application (2018-2023) & (US\$/Piece)

Table 60. World SiC IGBT Average Price by Application (2024-2029) & (US\$/Piece)

Table 61. onsemi Basic Information, Manufacturing Base and Competitors

Table 62. onsemi Major Business

Table 63. onsemi SiC IGBT Product and Services

Table 64. onsemi SiC IGBT Production (Pieces), Price (US\$/Piece), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 65. onsemi Recent Developments/Updates

Table 66. onsemi Competitive Strengths & Weaknesses

Table 67. Infineon Technologies Basic Information, Manufacturing Base and Competitors

Table 68. Infineon Technologies Major Business

Table 69. Infineon Technologies SiC IGBT Product and Services

Table 70. Infineon Technologies SiC IGBT Production (Pieces), Price (US\$/Piece), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 71. Infineon Technologies Recent Developments/Updates

Table 72. STATE GRID Corporation of China Basic Information, Manufacturing Base and Competitors

Table 73. STATE GRID Corporation of China Major Business

Table 74. STATE GRID Corporation of China SiC IGBT Product and Services

Table 75. STATE GRID Corporation of China SiC IGBT Production (Pieces), Price (US\$/Piece), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 76. Global Key Players of SiC IGBT Upstream (Raw Materials)

Table 77. SiC IGBT Typical Customers

Table 78. SiC IGBT Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. SiC IGBT Picture

Figure 2. World SiC IGBT Production Value: 2018 & 2022 & 2029, (USD Million)

Figure 3. World SiC IGBT Production Value and Forecast (2018-2029) & (USD Million)

Figure 4. World SiC IGBT Production (2018-2029) & (Pieces)

Figure 5. World SiC IGBT Average Price (2018-2029) & (US\$/Piece)

Figure 6. World SiC IGBT Production Value Market Share by Region (2018-2029)

Figure 7. World SiC IGBT Production Market Share by Region (2018-2029)

Figure 8. Japan SiC IGBT Production (2018-2029) & (Pieces)

Figure 9. US SiC IGBT Production (2018-2029) & (Pieces)

Figure 10. China SiC IGBT Production (2018-2029) & (Pieces)

Figure 11. SiC IGBT Market Drivers

Figure 12. Factors Affecting Demand

Figure 13. World SiC IGBT Consumption (2018-2029) & (Pieces)

Figure 14. World SiC IGBT Consumption Market Share by Region (2018-2029)

Figure 15. United States SiC IGBT Consumption (2018-2029) & (Pieces)

Figure 16. China SiC IGBT Consumption (2018-2029) & (Pieces)

Figure 17. Europe SiC IGBT Consumption (2018-2029) & (Pieces)

Figure 18. Japan SiC IGBT Consumption (2018-2029) & (Pieces)

Figure 19. South Korea SiC IGBT Consumption (2018-2029) & (Pieces)

Figure 20. ASEAN SiC IGBT Consumption (2018-2029) & (Pieces)

Figure 21. India SiC IGBT Consumption (2018-2029) & (Pieces)

Figure 22. Producer Shipments of SiC IGBT by Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 23. Global Four-firm Concentration Ratios (CR4) for SiC IGBT Markets in 2022

Figure 24. Global Four-firm Concentration Ratios (CR8) for SiC IGBT Markets in 2022

Figure 25. United States VS China: SiC IGBT Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 26. United States VS China: SiC IGBT Production Market Share Comparison (2018 & 2022 & 2029)

Figure 27. United States VS China: SiC IGBT Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States Based Manufacturers SiC IGBT Production Market Share 2022

Figure 29. China Based Manufacturers SiC IGBT Production Market Share 2022

Figure 30. Rest of World Based Manufacturers SiC IGBT Production Market Share 2022

Figure 31. World SiC IGBT Production Value by Type, (USD Million), 2018 & 2022 &

2029

Figure 32. World SiC IGBT Production Value Market Share by Type in 2022

Figure 33. SiC N-Channel IGBT

Figure 34. SiC P-Channel IGBT

Figure 35. World SiC IGBT Production Market Share by Type (2018-2029)

Figure 36. World SiC IGBT Production Value Market Share by Type (2018-2029)

Figure 37. World SiC IGBT Average Price by Type (2018-2029) & (US\$/Piece)

Figure 38. World SiC IGBT Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 39. World SiC IGBT Production Value Market Share by Application in 2022

Figure 40. HVDC Power Transmission

Figure 41. Rail Traffic

Figure 42. New Energy Automobile

Figure 43. PV & Wind Power

Figure 44. World SiC IGBT Production Market Share by Application (2018-2029)

Figure 45. World SiC IGBT Production Value Market Share by Application (2018-2029)

Figure 46. World SiC IGBT Average Price by Application (2018-2029) & (US\$/Piece)

Figure 47. SiC IGBT Industry Chain

Figure 48. SiC IGBT Procurement Model

Figure 49. SiC IGBT Sales Model

Figure 50. SiC IGBT Sales Channels, Direct Sales, and Distribution

Figure 51. Methodology

Figure 52. Research Process and Data Source

I would like to order

Product name: Global SiC IGBT Supply, Demand and Key Producers, 2023-2029

Product link: <https://marketpublishers.com/r/GA9C2616C308EN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GA9C2616C308EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970