

Global 800V Silicon Carbide (SiC) Power Module Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G7F34333A08DEN.html>

Date: May 2026

Pages: 134

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

ID: G7F34333A08DEN

Abstracts

The global 800V Silicon Carbide (SiC) Power Module market size is expected to reach \$ 8552 million by 2032, rising at a market growth of 16.4% CAGR during the forecast period (2026-2032).

In 2025, global 800V Silicon Carbide (SiC) Power Module production reached approximately 4.21 million units, with an average global market price of around US\$680 per unit.

The gross profit margin of major companies in the industry is between 28%-46%.

In 2025, the global production capacity of 800V Silicon Carbide (SiC) Power Module was approximately 5.61 million units.

800V Silicon Carbide Power Modules are high-voltage power conversion components built around SiC devices for fast switching, lower loss, and higher efficiency under demanding conditions. SiC devices are widely positioned for 800V-class DC-link and high-voltage power conversion applications such as EV traction, fast charging, energy storage, and data-center power systems.

The industrial chain of 800V Silicon Carbide Power Module includes upstream SiC wafers, epitaxy, substrates, copper baseplates, DBC ceramics, bonding materials, gate drivers, and thermal interface materials. Midstream covers chip design, module packaging, soldering, wire bonding or sintering, testing, and thermal management integration. Downstream applications mainly include EV powertrains, fast chargers, ESS converters, industrial drives, and high-density power systems.

This report studies the global 800V Silicon Carbide (SiC) Power Module production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for 800V Silicon Carbide (SiC) Power Module and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of 800V Silicon Carbide (SiC) Power Module that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global 800V Silicon Carbide (SiC) Power Module total production and demand, 2021-2032, (K Units)

Global 800V Silicon Carbide (SiC) Power Module total production value, 2021-2032, (USD Million)

Global 800V Silicon Carbide (SiC) Power Module production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global 800V Silicon Carbide (SiC) Power Module consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: 800V Silicon Carbide (SiC) Power Module domestic production, consumption, key domestic manufacturers and share

Global 800V Silicon Carbide (SiC) Power Module production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global 800V Silicon Carbide (SiC) Power Module production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global 800V Silicon Carbide (SiC) Power Module production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global 800V Silicon Carbide (SiC) Power Module 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 Infineon, STMicroelectronics, Bosch, Semikron Danfoss, onsemi, Wolfspeed, Mitsubishi Electric, Fuji Electric, ROHM, Toshiba, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World 800V Silicon Carbide (SiC) Power Module market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global 800V Silicon Carbide (SiC) Power Module Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global 800V Silicon Carbide (SiC) Power Module Market, Segmentation by Type:

Half-Bridge SiC Power Module

Full-Bridge SiC Power Module

Three-Phase Bridge SiC Power Module

Global 800V Silicon Carbide (SiC) Power Module Market, Segmentation by Cooling Method:

Air-Cooled SiC Power Module

Liquid-Cooled SiC Power Module

Double-Sided Cooling SiC Power Module

Global 800V Silicon Carbide (SiC) Power Module Market, Segmentation by Package Type:

Standard Package SiC Power Module

Press-fit SiC Power Module

Transfer Molded SiC Power Module

Global 800V Silicon Carbide (SiC) Power Module Market, Segmentation by Application:

Electric Passenger Vehicle

Commercial Electric Vehicle

High-Voltage Charging Equipment

Other

Companies Profiled:

Infineon

STMicroelectronics

Bosch

Semikron Danfoss

onsemi

Wolfspeed

Mitsubishi Electric

Fuji Electric

ROHM

Toshiba

StarPower

CRRC Times Electric

Microchip

Key Questions Answered:

1. How big is the global 800V Silicon Carbide (SiC) Power Module market?
2. What is the demand of the global 800V Silicon Carbide (SiC) Power Module market?
3. What is the year over year growth of the global 800V Silicon Carbide (SiC) Power Module market?
4. What is the production and production value of the global 800V Silicon Carbide (SiC) Power Module market?
5. Who are the key producers in the global 800V Silicon Carbide (SiC) Power Module market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 800V Silicon Carbide (SiC) Power Module Introduction
- 1.2 World 800V Silicon Carbide (SiC) Power Module Supply & Forecast
 - 1.2.1 World 800V Silicon Carbide (SiC) Power Module Production Value (2021 & 2025 & 2032)
 - 1.2.2 World 800V Silicon Carbide (SiC) Power Module Production (2021-2032)
 - 1.2.3 World 800V Silicon Carbide (SiC) Power Module Pricing Trends (2021-2032)
- 1.3 World 800V Silicon Carbide (SiC) Power Module Production by Region (Based on Production Site)
 - 1.3.1 World 800V Silicon Carbide (SiC) Power Module Production Value by Region (2021-2032)
 - 1.3.2 World 800V Silicon Carbide (SiC) Power Module Production by Region (2021-2032)
 - 1.3.3 World 800V Silicon Carbide (SiC) Power Module Average Price by Region (2021-2032)
 - 1.3.4 North America 800V Silicon Carbide (SiC) Power Module Production (2021-2032)
 - 1.3.5 Europe 800V Silicon Carbide (SiC) Power Module Production (2021-2032)
 - 1.3.6 China 800V Silicon Carbide (SiC) Power Module Production (2021-2032)
 - 1.3.7 Japan 800V Silicon Carbide (SiC) Power Module Production (2021-2032)
 - 1.3.8 South Korea 800V Silicon Carbide (SiC) Power Module Production (2021-2032)
 - 1.3.9 Southeast Asia 800V Silicon Carbide (SiC) Power Module Production (2021-2032)
 - 1.3.10 China Taiwan 800V Silicon Carbide (SiC) Power Module Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 800V Silicon Carbide (SiC) Power Module Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 800V Silicon Carbide (SiC) Power Module Major Market Trends

2 DEMAND SUMMARY

- 2.1 World 800V Silicon Carbide (SiC) Power Module Demand (2021-2032)
- 2.2 World 800V Silicon Carbide (SiC) Power Module Consumption by Region
 - 2.2.1 World 800V Silicon Carbide (SiC) Power Module Consumption by Region (2021-2026)

2.2.2 World 800V Silicon Carbide (SiC) Power Module Consumption Forecast by Region (2027-2032)

2.3 United States 800V Silicon Carbide (SiC) Power Module Consumption (2021-2032)

2.4 China 800V Silicon Carbide (SiC) Power Module Consumption (2021-2032)

2.5 Europe 800V Silicon Carbide (SiC) Power Module Consumption (2021-2032)

2.6 Japan 800V Silicon Carbide (SiC) Power Module Consumption (2021-2032)

2.7 South Korea 800V Silicon Carbide (SiC) Power Module Consumption (2021-2032)

2.8 ASEAN 800V Silicon Carbide (SiC) Power Module Consumption (2021-2032)

2.9 India 800V Silicon Carbide (SiC) Power Module Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World 800V Silicon Carbide (SiC) Power Module Production Value by Manufacturer (2021-2026)

3.2 World 800V Silicon Carbide (SiC) Power Module Production by Manufacturer (2021-2026)

3.3 World 800V Silicon Carbide (SiC) Power Module Average Price by Manufacturer (2021-2026)

3.4 800V Silicon Carbide (SiC) Power Module Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global 800V Silicon Carbide (SiC) Power Module Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for 800V Silicon Carbide (SiC) Power Module in 2025

3.5.3 Global Concentration Ratios (CR8) for 800V Silicon Carbide (SiC) Power Module in 2025

3.6 800V Silicon Carbide (SiC) Power Module Market: Overall Company Footprint Analysis

3.6.1 800V Silicon Carbide (SiC) Power Module Market: Region Footprint

3.6.2 800V Silicon Carbide (SiC) Power Module Market: Company Product Type Footprint

3.6.3 800V Silicon Carbide (SiC) Power Module 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: 800V Silicon Carbide (SiC) Power Module Production Value Comparison

4.1.1 United States VS China: 800V Silicon Carbide (SiC) Power Module Production Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: 800V Silicon Carbide (SiC) Power Module Production Value Market Share Comparison (2021 & 2025 & 2032)

4.2 United States VS China: 800V Silicon Carbide (SiC) Power Module Production Comparison

4.2.1 United States VS China: 800V Silicon Carbide (SiC) Power Module Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: 800V Silicon Carbide (SiC) Power Module Production Market Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: 800V Silicon Carbide (SiC) Power Module Consumption Comparison

4.3.1 United States VS China: 800V Silicon Carbide (SiC) Power Module Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: 800V Silicon Carbide (SiC) Power Module Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based 800V Silicon Carbide (SiC) Power Module Manufacturers and Market Share, 2021-2026

4.4.1 United States Based 800V Silicon Carbide (SiC) Power Module Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers 800V Silicon Carbide (SiC) Power Module Production Value (2021-2026)

4.4.3 United States Based Manufacturers 800V Silicon Carbide (SiC) Power Module Production (2021-2026)

4.5 China Based 800V Silicon Carbide (SiC) Power Module Manufacturers and Market Share

4.5.1 China Based 800V Silicon Carbide (SiC) Power Module Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers 800V Silicon Carbide (SiC) Power Module Production Value (2021-2026)

4.5.3 China Based Manufacturers 800V Silicon Carbide (SiC) Power Module Production (2021-2026)

4.6 Rest of World Based 800V Silicon Carbide (SiC) Power Module Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based 800V Silicon Carbide (SiC) Power Module Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers 800V Silicon Carbide (SiC) Power Module Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers 800V Silicon Carbide (SiC) Power Module Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World 800V Silicon Carbide (SiC) Power Module Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Half-Bridge SiC Power Module

5.2.2 Full-Bridge SiC Power Module

5.2.3 Three-Phase Bridge SiC Power Module

5.3 Market Segment by Type

5.3.1 World 800V Silicon Carbide (SiC) Power Module Production by Type (2021-2032)

5.3.2 World 800V Silicon Carbide (SiC) Power Module Production Value by Type (2021-2032)

5.3.3 World 800V Silicon Carbide (SiC) Power Module Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY COOLING METHOD

6.1 World 800V Silicon Carbide (SiC) Power Module Market Size Overview by Cooling Method: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Cooling Method

6.2.1 Air-Cooled SiC Power Module

6.2.2 Liquid-Cooled SiC Power Module

6.2.3 Double-Sided Cooling SiC Power Module

6.3 Market Segment by Cooling Method

6.3.1 World 800V Silicon Carbide (SiC) Power Module Production by Cooling Method (2021-2032)

6.3.2 World 800V Silicon Carbide (SiC) Power Module Production Value by Cooling Method (2021-2032)

6.3.3 World 800V Silicon Carbide (SiC) Power Module Average Price by Cooling Method (2021-2032)

7 MARKET ANALYSIS BY PACKAGE TYPE

7.1 World 800V Silicon Carbide (SiC) Power Module Market Size Overview by Package Type: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Package Type

7.2.1 Standard Package SiC Power Module

7.2.2 Press-fit SiC Power Module

7.2.3 Transfer Molded SiC Power Module

7.3 Market Segment by Package Type

7.3.1 World 800V Silicon Carbide (SiC) Power Module Production by Package Type (2021-2032)

7.3.2 World 800V Silicon Carbide (SiC) Power Module Production Value by Package Type (2021-2032)

7.3.3 World 800V Silicon Carbide (SiC) Power Module Average Price by Package Type (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World 800V Silicon Carbide (SiC) Power Module Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Electric Passenger Vehicle

8.2.2 Commercial Electric Vehicle

8.2.3 High-Voltage Charging Equipment

8.2.4 Other

8.3 Market Segment by Application

8.3.1 World 800V Silicon Carbide (SiC) Power Module Production by Application (2021-2032)

8.3.2 World 800V Silicon Carbide (SiC) Power Module Production Value by Application (2021-2032)

8.3.3 World 800V Silicon Carbide (SiC) Power Module Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 Infineon

9.1.1 Infineon Details

9.1.2 Infineon Major Business

9.1.3 Infineon 800V Silicon Carbide (SiC) Power Module Product and Services

9.1.4 Infineon 800V Silicon Carbide (SiC) Power Module Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 Infineon Recent Developments/Updates

9.1.6 Infineon Competitive Strengths & Weaknesses

9.2 STMicroelectronics

9.2.1 STMicroelectronics Details

9.2.2 STMicroelectronics Major Business

9.2.3 STMicroelectronics 800V Silicon Carbide (SiC) Power Module Product and Services

9.2.4 STMicroelectronics 800V Silicon Carbide (SiC) Power Module Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.2.5 STMicroelectronics Recent Developments/Updates

9.2.6 STMicroelectronics Competitive Strengths & Weaknesses

9.3 Bosch

9.3.1 Bosch Details

9.3.2 Bosch Major Business

9.3.3 Bosch 800V Silicon Carbide (SiC) Power Module Product and Services

9.3.4 Bosch 800V Silicon Carbide (SiC) Power Module Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.3.5 Bosch Recent Developments/Updates

9.3.6 Bosch Competitive Strengths & Weaknesses

9.4 Semikron Danfoss

9.4.1 Semikron Danfoss Details

9.4.2 Semikron Danfoss Major Business

9.4.3 Semikron Danfoss 800V Silicon Carbide (SiC) Power Module Product and Services

9.4.4 Semikron Danfoss 800V Silicon Carbide (SiC) Power Module Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.4.5 Semikron Danfoss Recent Developments/Updates

9.4.6 Semikron Danfoss Competitive Strengths & Weaknesses

9.5 onsemi

9.5.1 onsemi Details

9.5.2 onsemi Major Business

9.5.3 onsemi 800V Silicon Carbide (SiC) Power Module Product and Services

9.5.4 onsemi 800V Silicon Carbide (SiC) Power Module Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.5.5 onsemi Recent Developments/Updates

9.5.6 onsemi Competitive Strengths & Weaknesses

9.6 Wolfspeed

- 9.6.1 Wolfspeed Details
- 9.6.2 Wolfspeed Major Business
- 9.6.3 Wolfspeed 800V Silicon Carbide (SiC) Power Module Product and Services
- 9.6.4 Wolfspeed 800V Silicon Carbide (SiC) Power Module Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.6.5 Wolfspeed Recent Developments/Updates
- 9.6.6 Wolfspeed Competitive Strengths & Weaknesses
- 9.7 Mitsubishi Electric
 - 9.7.1 Mitsubishi Electric Details
 - 9.7.2 Mitsubishi Electric Major Business
 - 9.7.3 Mitsubishi Electric 800V Silicon Carbide (SiC) Power Module Product and Services
 - 9.7.4 Mitsubishi Electric 800V Silicon Carbide (SiC) Power Module Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.7.5 Mitsubishi Electric Recent Developments/Updates
 - 9.7.6 Mitsubishi Electric Competitive Strengths & Weaknesses
- 9.8 Fuji Electric
 - 9.8.1 Fuji Electric Details
 - 9.8.2 Fuji Electric Major Business
 - 9.8.3 Fuji Electric 800V Silicon Carbide (SiC) Power Module Product and Services
 - 9.8.4 Fuji Electric 800V Silicon Carbide (SiC) Power Module Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.8.5 Fuji Electric Recent Developments/Updates
 - 9.8.6 Fuji Electric Competitive Strengths & Weaknesses
- 9.9 ROHM
 - 9.9.1 ROHM Details
 - 9.9.2 ROHM Major Business
 - 9.9.3 ROHM 800V Silicon Carbide (SiC) Power Module Product and Services
 - 9.9.4 ROHM 800V Silicon Carbide (SiC) Power Module Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.9.5 ROHM Recent Developments/Updates
 - 9.9.6 ROHM Competitive Strengths & Weaknesses
- 9.10 Toshiba
 - 9.10.1 Toshiba Details
 - 9.10.2 Toshiba Major Business
 - 9.10.3 Toshiba 800V Silicon Carbide (SiC) Power Module Product and Services
 - 9.10.4 Toshiba 800V Silicon Carbide (SiC) Power Module Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.10.5 Toshiba Recent Developments/Updates

- 9.10.6 Toshiba Competitive Strengths & Weaknesses
- 9.11 StarPower
 - 9.11.1 StarPower Details
 - 9.11.2 StarPower Major Business
 - 9.11.3 StarPower 800V Silicon Carbide (SiC) Power Module Product and Services
 - 9.11.4 StarPower 800V Silicon Carbide (SiC) Power Module Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.11.5 StarPower Recent Developments/Updates
 - 9.11.6 StarPower Competitive Strengths & Weaknesses
- 9.12 CRRC Times Electric
 - 9.12.1 CRRC Times Electric Details
 - 9.12.2 CRRC Times Electric Major Business
 - 9.12.3 CRRC Times Electric 800V Silicon Carbide (SiC) Power Module Product and Services
 - 9.12.4 CRRC Times Electric 800V Silicon Carbide (SiC) Power Module Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.12.5 CRRC Times Electric Recent Developments/Updates
 - 9.12.6 CRRC Times Electric Competitive Strengths & Weaknesses
- 9.13 Microchip
 - 9.13.1 Microchip Details
 - 9.13.2 Microchip Major Business
 - 9.13.3 Microchip 800V Silicon Carbide (SiC) Power Module Product and Services
 - 9.13.4 Microchip 800V Silicon Carbide (SiC) Power Module Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.13.5 Microchip Recent Developments/Updates
 - 9.13.6 Microchip Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

- 10.1 800V Silicon Carbide (SiC) Power Module Industry Chain
- 10.2 800V Silicon Carbide (SiC) Power Module Upstream Analysis
 - 10.2.1 800V Silicon Carbide (SiC) Power Module Core Raw Materials
 - 10.2.2 Main Manufacturers of 800V Silicon Carbide (SiC) Power Module Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 800V Silicon Carbide (SiC) Power Module Production Mode
- 10.6 800V Silicon Carbide (SiC) Power Module Procurement Model
- 10.7 800V Silicon Carbide (SiC) Power Module Industry Sales Model and Sales

Channels

10.7.1 800V Silicon Carbide (SiC) Power Module Sales Model

10.7.2 800V Silicon Carbide (SiC) Power Module Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World 800V Silicon Carbide (SiC) Power Module Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World 800V Silicon Carbide (SiC) Power Module Production Value by Region (2021-2026) & (USD Million)

Table 3. World 800V Silicon Carbide (SiC) Power Module Production Value by Region (2027-2032) & (USD Million)

Table 4. World 800V Silicon Carbide (SiC) Power Module Production Value Market Share by Region (2021-2026)

Table 5. World 800V Silicon Carbide (SiC) Power Module Production Value Market Share by Region (2027-2032)

Table 6. World 800V Silicon Carbide (SiC) Power Module Production by Region (2021-2026) & (K Units)

Table 7. World 800V Silicon Carbide (SiC) Power Module Production by Region (2027-2032) & (K Units)

Table 8. World 800V Silicon Carbide (SiC) Power Module Production Market Share by Region (2021-2026)

Table 9. World 800V Silicon Carbide (SiC) Power Module Production Market Share by Region (2027-2032)

Table 10. World 800V Silicon Carbide (SiC) Power Module Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World 800V Silicon Carbide (SiC) Power Module Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. 800V Silicon Carbide (SiC) Power Module Major Market Trends

Table 13. World 800V Silicon Carbide (SiC) Power Module Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Units)

Table 14. World 800V Silicon Carbide (SiC) Power Module Consumption by Region (2021-2026) & (K Units)

Table 15. World 800V Silicon Carbide (SiC) Power Module Consumption Forecast by Region (2027-2032) & (K Units)

Table 16. World 800V Silicon Carbide (SiC) Power Module Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key 800V Silicon Carbide (SiC) Power Module Producers in 2025

Table 18. World 800V Silicon Carbide (SiC) Power Module Production by Manufacturer (2021-2026) & (K Units)

Table 19. Production Market Share of Key 800V Silicon Carbide (SiC) Power Module Producers in 2025

Table 20. World 800V Silicon Carbide (SiC) Power Module Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 21. Global 800V Silicon Carbide (SiC) Power Module Company Evaluation Quadrant

Table 22. World 800V Silicon Carbide (SiC) Power Module Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and 800V Silicon Carbide (SiC) Power Module Production Site of Key Manufacturer

Table 24. 800V Silicon Carbide (SiC) Power Module Market: Company Product Type Footprint

Table 25. 800V Silicon Carbide (SiC) Power Module Market: Company Product Application Footprint

Table 26. 800V Silicon Carbide (SiC) Power Module Competitive Factors

Table 27. 800V Silicon Carbide (SiC) Power Module New Entrant and Capacity Expansion Plans

Table 28. 800V Silicon Carbide (SiC) Power Module Mergers & Acquisitions Activity

Table 29. United States VS China 800V Silicon Carbide (SiC) Power Module Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China 800V Silicon Carbide (SiC) Power Module Production Comparison, (2021 & 2025 & 2032) & (K Units)

Table 31. United States VS China 800V Silicon Carbide (SiC) Power Module Consumption Comparison, (2021 & 2025 & 2032) & (K Units)

Table 32. United States Based 800V Silicon Carbide (SiC) Power Module Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers 800V Silicon Carbide (SiC) Power Module Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers 800V Silicon Carbide (SiC) Power Module Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers 800V Silicon Carbide (SiC) Power Module Production (2021-2026) & (K Units)

Table 36. United States Based Manufacturers 800V Silicon Carbide (SiC) Power Module Production Market Share (2021-2026)

Table 37. China Based 800V Silicon Carbide (SiC) Power Module Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers 800V Silicon Carbide (SiC) Power Module Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers 800V Silicon Carbide (SiC) Power Module

Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers 800V Silicon Carbide (SiC) Power Module Production, (2021-2026) & (K Units)

Table 41. China Based Manufacturers 800V Silicon Carbide (SiC) Power Module Production Market Share (2021-2026)

Table 42. Rest of World Based 800V Silicon Carbide (SiC) Power Module Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers 800V Silicon Carbide (SiC) Power Module Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers 800V Silicon Carbide (SiC) Power Module Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers 800V Silicon Carbide (SiC) Power Module Production, (2021-2026) & (K Units)

Table 46. Rest of World Based Manufacturers 800V Silicon Carbide (SiC) Power Module Production Market Share (2021-2026)

Table 47. World 800V Silicon Carbide (SiC) Power Module Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World 800V Silicon Carbide (SiC) Power Module Production by Type (2021-2026) & (K Units)

Table 49. World 800V Silicon Carbide (SiC) Power Module Production by Type (2027-2032) & (K Units)

Table 50. World 800V Silicon Carbide (SiC) Power Module Production Value by Type (2021-2026) & (USD Million)

Table 51. World 800V Silicon Carbide (SiC) Power Module Production Value by Type (2027-2032) & (USD Million)

Table 52. World 800V Silicon Carbide (SiC) Power Module Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World 800V Silicon Carbide (SiC) Power Module Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World 800V Silicon Carbide (SiC) Power Module Production Value by Cooling Method, (USD Million), 2021 & 2025 & 2032

Table 55. World 800V Silicon Carbide (SiC) Power Module Production by Cooling Method (2021-2026) & (K Units)

Table 56. World 800V Silicon Carbide (SiC) Power Module Production by Cooling Method (2027-2032) & (K Units)

Table 57. World 800V Silicon Carbide (SiC) Power Module Production Value by Cooling Method (2021-2026) & (USD Million)

Table 58. World 800V Silicon Carbide (SiC) Power Module Production Value by Cooling Method (2027-2032) & (USD Million)

Table 59. World 800V Silicon Carbide (SiC) Power Module Average Price by Cooling Method (2021-2026) & (US\$/Unit)

Table 60. World 800V Silicon Carbide (SiC) Power Module Average Price by Cooling Method (2027-2032) & (US\$/Unit)

Table 61. World 800V Silicon Carbide (SiC) Power Module Production Value by Package Type, (USD Million), 2021 & 2025 & 2032

Table 62. World 800V Silicon Carbide (SiC) Power Module Production by Package Type (2021-2026) & (K Units)

Table 63. World 800V Silicon Carbide (SiC) Power Module Production by Package Type (2027-2032) & (K Units)

Table 64. World 800V Silicon Carbide (SiC) Power Module Production Value by Package Type (2021-2026) & (USD Million)

Table 65. World 800V Silicon Carbide (SiC) Power Module Production Value by Package Type (2027-2032) & (USD Million)

Table 66. World 800V Silicon Carbide (SiC) Power Module Average Price by Package Type (2021-2026) & (US\$/Unit)

Table 67. World 800V Silicon Carbide (SiC) Power Module Average Price by Package Type (2027-2032) & (US\$/Unit)

Table 68. World 800V Silicon Carbide (SiC) Power Module Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World 800V Silicon Carbide (SiC) Power Module Production by Application (2021-2026) & (K Units)

Table 70. World 800V Silicon Carbide (SiC) Power Module Production by Application (2027-2032) & (K Units)

Table 71. World 800V Silicon Carbide (SiC) Power Module Production Value by Application (2021-2026) & (USD Million)

Table 72. World 800V Silicon Carbide (SiC) Power Module Production Value by Application (2027-2032) & (USD Million)

Table 73. World 800V Silicon Carbide (SiC) Power Module Average Price by Application (2021-2026) & (US\$/Unit)

Table 74. World 800V Silicon Carbide (SiC) Power Module Average Price by Application (2027-2032) & (US\$/Unit)

Table 75. Infineon Basic Information, Manufacturing Base and Competitors

Table 76. Infineon Major Business

Table 77. Infineon 800V Silicon Carbide (SiC) Power Module Product and Services

Table 78. Infineon 800V Silicon Carbide (SiC) Power Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Infineon Recent Developments/Updates

- Table 80. Infineon Competitive Strengths & Weaknesses
- Table 81. STMicroelectronics Basic Information, Manufacturing Base and Competitors
- Table 82. STMicroelectronics Major Business
- Table 83. STMicroelectronics 800V Silicon Carbide (SiC) Power Module Product and Services
- Table 84. STMicroelectronics 800V Silicon Carbide (SiC) Power Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 85. STMicroelectronics Recent Developments/Updates
- Table 86. STMicroelectronics Competitive Strengths & Weaknesses
- Table 87. Bosch Basic Information, Manufacturing Base and Competitors
- Table 88. Bosch Major Business
- Table 89. Bosch 800V Silicon Carbide (SiC) Power Module Product and Services
- Table 90. Bosch 800V Silicon Carbide (SiC) Power Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 91. Bosch Recent Developments/Updates
- Table 92. Bosch Competitive Strengths & Weaknesses
- Table 93. Semikron Danfoss Basic Information, Manufacturing Base and Competitors
- Table 94. Semikron Danfoss Major Business
- Table 95. Semikron Danfoss 800V Silicon Carbide (SiC) Power Module Product and Services
- Table 96. Semikron Danfoss 800V Silicon Carbide (SiC) Power Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 97. Semikron Danfoss Recent Developments/Updates
- Table 98. Semikron Danfoss Competitive Strengths & Weaknesses
- Table 99. onsemi Basic Information, Manufacturing Base and Competitors
- Table 100. onsemi Major Business
- Table 101. onsemi 800V Silicon Carbide (SiC) Power Module Product and Services
- Table 102. onsemi 800V Silicon Carbide (SiC) Power Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 103. onsemi Recent Developments/Updates
- Table 104. onsemi Competitive Strengths & Weaknesses
- Table 105. Wolfspeed Basic Information, Manufacturing Base and Competitors
- Table 106. Wolfspeed Major Business
- Table 107. Wolfspeed 800V Silicon Carbide (SiC) Power Module Product and Services
- Table 108. Wolfspeed 800V Silicon Carbide (SiC) Power Module Production (K Units),

Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Wolfspeed Recent Developments/Updates

Table 110. Wolfspeed Competitive Strengths & Weaknesses

Table 111. Mitsubishi Electric Basic Information, Manufacturing Base and Competitors

Table 112. Mitsubishi Electric Major Business

Table 113. Mitsubishi Electric 800V Silicon Carbide (SiC) Power Module Product and Services

Table 114. Mitsubishi Electric 800V Silicon Carbide (SiC) Power Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. Mitsubishi Electric Recent Developments/Updates

Table 116. Mitsubishi Electric Competitive Strengths & Weaknesses

Table 117. Fuji Electric Basic Information, Manufacturing Base and Competitors

Table 118. Fuji Electric Major Business

Table 119. Fuji Electric 800V Silicon Carbide (SiC) Power Module Product and Services

Table 120. Fuji Electric 800V Silicon Carbide (SiC) Power Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. Fuji Electric Recent Developments/Updates

Table 122. Fuji Electric Competitive Strengths & Weaknesses

Table 123. ROHM Basic Information, Manufacturing Base and Competitors

Table 124. ROHM Major Business

Table 125. ROHM 800V Silicon Carbide (SiC) Power Module Product and Services

Table 126. ROHM 800V Silicon Carbide (SiC) Power Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. ROHM Recent Developments/Updates

Table 128. ROHM Competitive Strengths & Weaknesses

Table 129. Toshiba Basic Information, Manufacturing Base and Competitors

Table 130. Toshiba Major Business

Table 131. Toshiba 800V Silicon Carbide (SiC) Power Module Product and Services

Table 132. Toshiba 800V Silicon Carbide (SiC) Power Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. Toshiba Recent Developments/Updates

Table 134. Toshiba Competitive Strengths & Weaknesses

Table 135. StarPower Basic Information, Manufacturing Base and Competitors

Table 136. StarPower Major Business

Table 137. StarPower 800V Silicon Carbide (SiC) Power Module Product and Services

Table 138. StarPower 800V Silicon Carbide (SiC) Power Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. StarPower Recent Developments/Updates

Table 140. StarPower Competitive Strengths & Weaknesses

Table 141. CRRC Times Electric Basic Information, Manufacturing Base and Competitors

Table 142. CRRC Times Electric Major Business

Table 143. CRRC Times Electric 800V Silicon Carbide (SiC) Power Module Product and Services

Table 144. CRRC Times Electric 800V Silicon Carbide (SiC) Power Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. CRRC Times Electric Recent Developments/Updates

Table 146. CRRC Times Electric Competitive Strengths & Weaknesses

Table 147. Microchip Basic Information, Manufacturing Base and Competitors

Table 148. Microchip Major Business

Table 149. Microchip 800V Silicon Carbide (SiC) Power Module Product and Services

Table 150. Microchip 800V Silicon Carbide (SiC) Power Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 151. Microchip Recent Developments/Updates

Table 152. Microchip Competitive Strengths & Weaknesses

Table 153. Global Key Players of 800V Silicon Carbide (SiC) Power Module Upstream (Raw Materials)

Table 154. Global 800V Silicon Carbide (SiC) Power Module Typical Customers

Table 155. 800V Silicon Carbide (SiC) Power Module Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. 800V Silicon Carbide (SiC) Power Module Picture

Figure 2. World 800V Silicon Carbide (SiC) Power Module Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World 800V Silicon Carbide (SiC) Power Module Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World 800V Silicon Carbide (SiC) Power Module Production (2021-2032) & (K Units)

Figure 5. World 800V Silicon Carbide (SiC) Power Module Average Price (2021-2032) & (US\$/Unit)

Figure 6. World 800V Silicon Carbide (SiC) Power Module Production Value Market Share by Region (2021-2032)

Figure 7. World 800V Silicon Carbide (SiC) Power Module Production Market Share by Region (2021-2032)

Figure 8. North America 800V Silicon Carbide (SiC) Power Module Production (2021-2032) & (K Units)

Figure 9. Europe 800V Silicon Carbide (SiC) Power Module Production (2021-2032) & (K Units)

Figure 10. China 800V Silicon Carbide (SiC) Power Module Production (2021-2032) & (K Units)

Figure 11. Japan 800V Silicon Carbide (SiC) Power Module Production (2021-2032) & (K Units)

Figure 12. South Korea 800V Silicon Carbide (SiC) Power Module Production (2021-2032) & (K Units)

Figure 13. Southeast Asia 800V Silicon Carbide (SiC) Power Module Production (2021-2032) & (K Units)

Figure 14. China Taiwan 800V Silicon Carbide (SiC) Power Module Production (2021-2032) & (K Units)

Figure 15. 800V Silicon Carbide (SiC) Power Module Market Drivers

Figure 16. Factors Affecting Demand

Figure 17. World 800V Silicon Carbide (SiC) Power Module Consumption (2021-2032) & (K Units)

Figure 18. World 800V Silicon Carbide (SiC) Power Module Consumption Market Share by Region (2021-2032)

Figure 19. United States 800V Silicon Carbide (SiC) Power Module Consumption (2021-2032) & (K Units)

Figure 20. China 800V Silicon Carbide (SiC) Power Module Consumption (2021-2032) & (K Units)

Figure 21. Europe 800V Silicon Carbide (SiC) Power Module Consumption (2021-2032) & (K Units)

Figure 22. Japan 800V Silicon Carbide (SiC) Power Module Consumption (2021-2032) & (K Units)

Figure 23. South Korea 800V Silicon Carbide (SiC) Power Module Consumption (2021-2032) & (K Units)

Figure 24. ASEAN 800V Silicon Carbide (SiC) Power Module Consumption (2021-2032) & (K Units)

Figure 25. India 800V Silicon Carbide (SiC) Power Module Consumption (2021-2032) & (K Units)

Figure 26. Producer Shipments of 800V Silicon Carbide (SiC) Power Module by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 27. Global Four-firm Concentration Ratios (CR4) for 800V Silicon Carbide (SiC) Power Module Markets in 2025

Figure 28. Global Four-firm Concentration Ratios (CR8) for 800V Silicon Carbide (SiC) Power Module Markets in 2025

Figure 29. United States VS China: 800V Silicon Carbide (SiC) Power Module Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States VS China: 800V Silicon Carbide (SiC) Power Module Production Market Share Comparison (2021 & 2025 & 2032)

Figure 31. United States VS China: 800V Silicon Carbide (SiC) Power Module Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 32. United States Based Manufacturers 800V Silicon Carbide (SiC) Power Module Production Market Share 2025

Figure 33. China Based Manufacturers 800V Silicon Carbide (SiC) Power Module Production Market Share 2025

Figure 34. Rest of World Based Manufacturers 800V Silicon Carbide (SiC) Power Module Production Market Share 2025

Figure 35. World 800V Silicon Carbide (SiC) Power Module Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 36. World 800V Silicon Carbide (SiC) Power Module Production Value Market Share by Type in 2025

Figure 37. Half-Bridge SiC Power Module

Figure 38. Full-Bridge SiC Power Module

Figure 39. Three-Phase Bridge SiC Power Module

Figure 40. World 800V Silicon Carbide (SiC) Power Module Production Market Share by Type (2021-2032)

Figure 41. World 800V Silicon Carbide (SiC) Power Module Production Value Market Share by Type (2021-2032)

Figure 42. World 800V Silicon Carbide (SiC) Power Module Average Price by Type (2021-2032) & (US\$/Unit)

Figure 43. World 800V Silicon Carbide (SiC) Power Module Production Value by Cooling Method, (USD Million), 2021 & 2025 & 2032

Figure 44. World 800V Silicon Carbide (SiC) Power Module Production Value Market Share by Cooling Method in 2025

Figure 45. Air-Cooled SiC Power Module

Figure 46. Liquid-Cooled SiC Power Module

Figure 47. Double-Sided Cooling SiC Power Module

Figure 48. World 800V Silicon Carbide (SiC) Power Module Production Market Share by Cooling Method (2021-2032)

Figure 49. World 800V Silicon Carbide (SiC) Power Module Production Value Market Share by Cooling Method (2021-2032)

Figure 50. World 800V Silicon Carbide (SiC) Power Module Average Price by Cooling Method (2021-2032) & (US\$/Unit)

Figure 51. World 800V Silicon Carbide (SiC) Power Module Production Value by Package Type, (USD Million), 2021 & 2025 & 2032

Figure 52. World 800V Silicon Carbide (SiC) Power Module Production Value Market Share by Package Type in 2025

Figure 53. Standard Package SiC Power Module

Figure 54. Press-fit SiC Power Module

Figure 55. Transfer Molded SiC Power Module

Figure 56. World 800V Silicon Carbide (SiC) Power Module Production Market Share by Package Type (2021-2032)

Figure 57. World 800V Silicon Carbide (SiC) Power Module Production Value Market Share by Package Type (2021-2032)

Figure 58. World 800V Silicon Carbide (SiC) Power Module Average Price by Package Type (2021-2032) & (US\$/Unit)

Figure 59. World 800V Silicon Carbide (SiC) Power Module Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 60. World 800V Silicon Carbide (SiC) Power Module Production Value Market Share by Application in 2025

Figure 61. Electric Passenger Vehicle

Figure 62. Commercial Electric Vehicle

Figure 63. High-Voltage Charging Equipment

Figure 64. Other

Figure 65. World 800V Silicon Carbide (SiC) Power Module Production Market Share by

Application (2021-2032)

Figure 66. World 800V Silicon Carbide (SiC) Power Module Production Value Market Share by Application (2021-2032)

Figure 67. World 800V Silicon Carbide (SiC) Power Module Average Price by Application (2021-2032) & (US\$/Unit)

Figure 68. 800V Silicon Carbide (SiC) Power Module Industry Chain

Figure 69. 800V Silicon Carbide (SiC) Power Module Procurement Model

Figure 70. 800V Silicon Carbide (SiC) Power Module Sales Model

Figure 71. 800V Silicon Carbide (SiC) Power Module Sales Channels, Direct Sales, and Distribution

Figure 72. Methodology

Figure 73. Research Process and Data Source

I would like to order

Product name: Global 800V Silicon Carbide (SiC) Power Module Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G7F34333A08DEN.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/G7F34333A08DEN.html>