

# Global SiC MOSFET Intelligent Power Module Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GD72F418B0C3EN.html>

Date: April 2026

Pages: 100

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

ID: GD72F418B0C3EN

## Abstracts

The global SiC MOSFET Intelligent Power Module market size is expected to reach \$ 128 million by 2032, rising at a market growth of 19.3% CAGR during the forecast period (2026-2032).

SiC-IPM (Silicon Carbide Intelligent Power Module) is an intelligent power module built around SiC MOSFETs as the main switching devices, with gate driving, undervoltage protection, fault detection, and temperature monitoring integrated into a single package for three-phase inverters and high-efficiency motor-drive systems. Compared with conventional IGBT-IPMs, the main technical advantages of SiC-IPM are lower switching loss, higher switching frequency, higher temperature capability, greater power density, and better overall system efficiency, making it especially suitable for applications with tighter efficiency, thermal, and size requirements. In practical market terms, today's global SiC-IPM products can be grouped into three broad categories: full-SiC IPMs, where the main power stage is based on SiC MOSFETs; hybrid SiC IPMs, which combine SiC and silicon devices to balance performance and cost; and application-oriented platform variants differentiated by power range, package type, and cooling architecture, ranging from compact appliance/low-power industrial modules to water-cooled three-phase platforms for high-power-density electrification systems. Mitsubishi Electric's Full-SiC SLIMDIP and Hybrid-SiC SLIMDIP for room air conditioners and other appliances, onsemi's EliteSiC SPM 31 IPM for inverter motor drives, and Cissoid's 3-phase 1200 V SiC MOSFET IPM platform are representative examples of this product evolution.

The global SiC-IPM segment is still in a transition from introduction to early commercialization and scaling. In the report dataset you provided, SiC-IPM still accounts for a small share of total IPM revenue, but that share rises steadily over time,

which is consistent with actual market developments: the application base is expanding from early high-end industrial and electrification use cases into heat pumps, commercial HVAC, servos, robots, VFDs, industrial pumps and fans, and high-efficiency appliance compressor/fan drives. In terms of competition, the market is currently concentrated among a limited number of suppliers that possess integrated capabilities in SiC devices, driver ICs, packaging, and application engineering, including Mitsubishi Electric, onsemi, Infineon, and Cissoid. Mitsubishi Electric has been among the first to introduce SiC-IPM into an appliance-oriented SLIMDIP platform; onsemi has moved a 1200 V SiC IPM into heat pumps, commercial HVAC, and industrial motion control; and Infineon has publicly disclosed 1200 V CoolSiC MOSFET IPM / CIPOS Maxi solutions for motor-drive applications such as fan drives, PWM rectifiers, and compressor drives. Along the value chain, the upstream layer centers on SiC substrates, epitaxy, SiC MOSFET dies, driver ICs, ceramic substrates, and high-reliability interconnection materials; the midstream layer consists of module design, manufacturing, packaging, testing, and application support; and the downstream layer is concentrated in industrial control, HVAC, automotive auxiliary electrification, and premium energy-efficient appliances.

Looking ahead, the global SiC-IPM industry is likely to be shaped by rising demand for high-efficiency drives, gradual cost reduction in wide-bandgap devices, and a widening application scope from industrial equipment into appliances and automotive peripheral systems. On the demand side, the EU's ecodesign requirements for electric motors and variable speed drives continue to support higher penetration of efficient inverter-based drive systems; the IEA reports that global electric-car sales exceeded 17 million in 2024; and IFR reports around 542,000 industrial robots were installed worldwide in 2024, all of which reinforce the need for more efficient, higher-density power-conversion platforms. Heat pumps and HVAC are another major driver: the IEA continues to identify heat pumps as a critical decarbonization technology, even though some regions have recently seen short-term sales volatility. Regionally, Japan, Europe, and North America remain important benchmarks for SiC-IPM technology and high-end applications, while China is likely to become the most important future center for scale-up and cost-down manufacturing. At the same time, the sector still faces upstream bottlenecks in SiC manufacturing, including yield, contamination control, defect density, and wafer uniformity; SEMI has explicitly highlighted these issues as key challenges as SiC moves toward higher-volume production. For that reason, SiC-IPM is unlikely to replace IGBT-IPM in the mainstream mass market in the near term, but its strategic role in high-efficiency, high-power-density, and premium motor-drive applications will continue to strengthen.

This report studies the global SiC MOSFET Intelligent Power Module production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for SiC MOSFET Intelligent 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 SiC MOSFET Intelligent Power Module that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global SiC MOSFET Intelligent Power Module total production and demand, 2021-2032, (K Units)

Global SiC MOSFET Intelligent Power Module total production value, 2021-2032, (USD Million)

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

Global SiC MOSFET Intelligent Power Module consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: SiC MOSFET Intelligent Power Module domestic production, consumption, key domestic manufacturers and share

Global SiC MOSFET Intelligent Power Module production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global SiC MOSFET Intelligent Power Module production by Voltage Rating, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global SiC MOSFET Intelligent Power Module production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global SiC MOSFET Intelligent 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, onsemi, Mitsubishi Electric, Cissoid, Shenzhen Invsemi Technology, Apex Microtechnology (Apex), Hisense Power Semiconductor, Raon Semiconductor, 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 SiC MOSFET Intelligent 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 Voltage Rating, 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 SiC MOSFET Intelligent Power Module Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global SiC MOSFET Intelligent Power Module Market, Segmentation by Voltage Rating:

1200V SiC-IPM

650V SiC-IPM

Global SiC MOSFET Intelligent Power Module Market, Segmentation by Package Type:

DBC-Based IPM

Transfer/Full-Molded IPM

Global SiC MOSFET Intelligent Power Module Market, Segmentation by Configuration:

Three-Phase Inverter SiC IPM

Half-Bridge Inverter SiC IPM

Global SiC MOSFET Intelligent Power Module Market, Segmentation by Application:

Home Appliance

Industrial Motor

Automotive

Others

Companies Profiled:

Infineon

onsemi

Mitsubishi Electric

Cisoid

Shenzhen Invsemi Technology

Apex Microtechnology (Apex)

Hisense Power Semiconductor

Raon Semiconductor

**Key Questions Answered:**

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

## Contents

### 1 SUPPLY SUMMARY

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

### 2 DEMAND SUMMARY

- 2.1 World SiC MOSFET Intelligent Power Module Demand (2021-2032)
- 2.2 World SiC MOSFET Intelligent Power Module Consumption by Region
  - 2.2.1 World SiC MOSFET Intelligent Power Module Consumption by Region (2021-2026)
  - 2.2.2 World SiC MOSFET Intelligent Power Module Consumption Forecast by Region (2027-2032)
- 2.3 United States SiC MOSFET Intelligent Power Module Consumption (2021-2032)
- 2.4 China SiC MOSFET Intelligent Power Module Consumption (2021-2032)
- 2.5 Europe SiC MOSFET Intelligent Power Module Consumption (2021-2032)
- 2.6 Japan SiC MOSFET Intelligent Power Module Consumption (2021-2032)
- 2.7 South Korea SiC MOSFET Intelligent Power Module Consumption (2021-2032)

- 2.8 ASEAN SiC MOSFET Intelligent Power Module Consumption (2021-2032)
- 2.9 India SiC MOSFET Intelligent Power Module Consumption (2021-2032)

### **3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS**

- 3.1 World SiC MOSFET Intelligent Power Module Production Value by Manufacturer (2021-2026)
- 3.2 World SiC MOSFET Intelligent Power Module Production by Manufacturer (2021-2026)
- 3.3 World SiC MOSFET Intelligent Power Module Average Price by Manufacturer (2021-2026)
- 3.4 SiC MOSFET Intelligent Power Module Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
  - 3.5.1 Global SiC MOSFET Intelligent Power Module Industry Rank of Major Manufacturers
  - 3.5.2 Global Concentration Ratios (CR4) for SiC MOSFET Intelligent Power Module in 2025
  - 3.5.3 Global Concentration Ratios (CR8) for SiC MOSFET Intelligent Power Module in 2025
- 3.6 SiC MOSFET Intelligent Power Module Market: Overall Company Footprint Analysis
  - 3.6.1 SiC MOSFET Intelligent Power Module Market: Region Footprint
  - 3.6.2 SiC MOSFET Intelligent Power Module Market: Company Product Type Footprint
  - 3.6.3 SiC MOSFET Intelligent 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: SiC MOSFET Intelligent Power Module Production Value Comparison
  - 4.1.1 United States VS China: SiC MOSFET Intelligent Power Module Production Value Comparison (2021 & 2025 & 2032)
  - 4.1.2 United States VS China: SiC MOSFET Intelligent Power Module Production Value Market Share Comparison (2021 & 2025 & 2032)

## 4.2 United States VS China: SiC MOSFET Intelligent Power Module Production Comparison

4.2.1 United States VS China: SiC MOSFET Intelligent Power Module Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: SiC MOSFET Intelligent Power Module Production Market Share Comparison (2021 & 2025 & 2032)

## 4.3 United States VS China: SiC MOSFET Intelligent Power Module Consumption Comparison

4.3.1 United States VS China: SiC MOSFET Intelligent Power Module Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: SiC MOSFET Intelligent Power Module Consumption Market Share Comparison (2021 & 2025 & 2032)

## 4.4 United States Based SiC MOSFET Intelligent Power Module Manufacturers and Market Share, 2021-2026

4.4.1 United States Based SiC MOSFET Intelligent Power Module Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers SiC MOSFET Intelligent Power Module Production Value (2021-2026)

4.4.3 United States Based Manufacturers SiC MOSFET Intelligent Power Module Production (2021-2026)

## 4.5 China Based SiC MOSFET Intelligent Power Module Manufacturers and Market Share

4.5.1 China Based SiC MOSFET Intelligent Power Module Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers SiC MOSFET Intelligent Power Module Production Value (2021-2026)

4.5.3 China Based Manufacturers SiC MOSFET Intelligent Power Module Production (2021-2026)

## 4.6 Rest of World Based SiC MOSFET Intelligent Power Module Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based SiC MOSFET Intelligent Power Module Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers SiC MOSFET Intelligent Power Module Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers SiC MOSFET Intelligent Power Module Production (2021-2026)

## **5 MARKET ANALYSIS BY VOLTAGE RATING**

5.1 World SiC MOSFET Intelligent Power Module Market Size Overview by Voltage Rating: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Voltage Rating

5.2.1 1200V SiC-IPM

5.2.2 650V SiC-IPM

5.3 Market Segment by Voltage Rating

5.3.1 World SiC MOSFET Intelligent Power Module Production by Voltage Rating (2021-2032)

5.3.2 World SiC MOSFET Intelligent Power Module Production Value by Voltage Rating (2021-2032)

5.3.3 World SiC MOSFET Intelligent Power Module Average Price by Voltage Rating (2021-2032)

## **6 MARKET ANALYSIS BY PACKAGE TYPE**

6.1 World SiC MOSFET Intelligent Power Module Market Size Overview by Package Type: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Package Type

6.2.1 DBC-Based IPM

6.2.2 Transfer/Full-Molded IPM

6.3 Market Segment by Package Type

6.3.1 World SiC MOSFET Intelligent Power Module Production by Package Type (2021-2032)

6.3.2 World SiC MOSFET Intelligent Power Module Production Value by Package Type (2021-2032)

6.3.3 World SiC MOSFET Intelligent Power Module Average Price by Package Type (2021-2032)

## **7 MARKET ANALYSIS BY CONFIGURATION**

7.1 World SiC MOSFET Intelligent Power Module Market Size Overview by Configuration: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Configuration

7.2.1 Three-Phase Inverter SiC IPM

7.2.2 Half-Bridge Inverter SiC IPM

7.3 Market Segment by Configuration

7.3.1 World SiC MOSFET Intelligent Power Module Production by Configuration (2021-2032)

7.3.2 World SiC MOSFET Intelligent Power Module Production Value by Configuration

(2021-2032)

7.3.3 World SiC MOSFET Intelligent Power Module Average Price by Configuration

(2021-2032)

## **8 MARKET ANALYSIS BY APPLICATION**

8.1 World SiC MOSFET Intelligent Power Module Market Size Overview by Application:  
2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Home Appliance

8.2.2 Industrial Motor

8.2.3 Automotive

8.2.4 Others

8.3 Market Segment by Application

8.3.1 World SiC MOSFET Intelligent Power Module Production by Application

(2021-2032)

8.3.2 World SiC MOSFET Intelligent Power Module Production Value by Application

(2021-2032)

8.3.3 World SiC MOSFET Intelligent 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 SiC MOSFET Intelligent Power Module Product and Services

9.1.4 Infineon SiC MOSFET Intelligent 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 onsemi

9.2.1 onsemi Details

9.2.2 onsemi Major Business

9.2.3 onsemi SiC MOSFET Intelligent Power Module Product and Services

9.2.4 onsemi SiC MOSFET Intelligent Power Module Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.2.5 onsemi Recent Developments/Updates

9.2.6 onsemi Competitive Strengths & Weaknesses

### 9.3 Mitsubishi Electric

#### 9.3.1 Mitsubishi Electric Details

#### 9.3.2 Mitsubishi Electric Major Business

#### 9.3.3 Mitsubishi Electric SiC MOSFET Intelligent Power Module Product and Services

#### 9.3.4 Mitsubishi Electric SiC MOSFET Intelligent Power Module Production, Price, Value, Gross Margin and Market Share (2021-2026)

#### 9.3.5 Mitsubishi Electric Recent Developments/Updates

#### 9.3.6 Mitsubishi Electric Competitive Strengths & Weaknesses

### 9.4 Cissoid

#### 9.4.1 Cissoid Details

#### 9.4.2 Cissoid Major Business

#### 9.4.3 Cissoid SiC MOSFET Intelligent Power Module Product and Services

#### 9.4.4 Cissoid SiC MOSFET Intelligent Power Module Production, Price, Value, Gross Margin and Market Share (2021-2026)

#### 9.4.5 Cissoid Recent Developments/Updates

#### 9.4.6 Cissoid Competitive Strengths & Weaknesses

### 9.5 Shenzhen Invsemi Technology

#### 9.5.1 Shenzhen Invsemi Technology Details

#### 9.5.2 Shenzhen Invsemi Technology Major Business

#### 9.5.3 Shenzhen Invsemi Technology SiC MOSFET Intelligent Power Module Product and Services

#### 9.5.4 Shenzhen Invsemi Technology SiC MOSFET Intelligent Power Module Production, Price, Value, Gross Margin and Market Share (2021-2026)

#### 9.5.5 Shenzhen Invsemi Technology Recent Developments/Updates

#### 9.5.6 Shenzhen Invsemi Technology Competitive Strengths & Weaknesses

### 9.6 Apex Microtechnology (Apex)

#### 9.6.1 Apex Microtechnology (Apex) Details

#### 9.6.2 Apex Microtechnology (Apex) Major Business

#### 9.6.3 Apex Microtechnology (Apex) SiC MOSFET Intelligent Power Module Product and Services

#### 9.6.4 Apex Microtechnology (Apex) SiC MOSFET Intelligent Power Module Production, Price, Value, Gross Margin and Market Share (2021-2026)

#### 9.6.5 Apex Microtechnology (Apex) Recent Developments/Updates

#### 9.6.6 Apex Microtechnology (Apex) Competitive Strengths & Weaknesses

### 9.7 Hisense Power Semiconductor

#### 9.7.1 Hisense Power Semiconductor Details

#### 9.7.2 Hisense Power Semiconductor Major Business

#### 9.7.3 Hisense Power Semiconductor SiC MOSFET Intelligent Power Module Product and Services

9.7.4 Hisense Power Semiconductor SiC MOSFET Intelligent Power Module Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.7.5 Hisense Power Semiconductor Recent Developments/Updates

9.7.6 Hisense Power Semiconductor Competitive Strengths & Weaknesses

9.8 Raon Semiconductor

9.8.1 Raon Semiconductor Details

9.8.2 Raon Semiconductor Major Business

9.8.3 Raon Semiconductor SiC MOSFET Intelligent Power Module Product and Services

9.8.4 Raon Semiconductor SiC MOSFET Intelligent Power Module Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.8.5 Raon Semiconductor Recent Developments/Updates

9.8.6 Raon Semiconductor Competitive Strengths & Weaknesses

## **10 INDUSTRY CHAIN ANALYSIS**

10.1 SiC MOSFET Intelligent Power Module Industry Chain

10.2 SiC MOSFET Intelligent Power Module Upstream Analysis

10.2.1 SiC MOSFET Intelligent Power Module Core Raw Materials

10.2.2 Main Manufacturers of SiC MOSFET Intelligent Power Module Core Raw Materials

10.3 Midstream Analysis

10.4 Downstream Analysis

10.5 SiC MOSFET Intelligent Power Module Production Mode

10.6 SiC MOSFET Intelligent Power Module Procurement Model

10.7 SiC MOSFET Intelligent Power Module Industry Sales Model and Sales Channels

10.7.1 SiC MOSFET Intelligent Power Module Sales Model

10.7.2 SiC MOSFET Intelligent 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 SiC MOSFET Intelligent Power Module Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World SiC MOSFET Intelligent Power Module Production Value by Region (2021-2026) & (USD Million)

Table 3. World SiC MOSFET Intelligent Power Module Production Value by Region (2027-2032) & (USD Million)

Table 4. World SiC MOSFET Intelligent Power Module Production Value Market Share by Region (2021-2026)

Table 5. World SiC MOSFET Intelligent Power Module Production Value Market Share by Region (2027-2032)

Table 6. World SiC MOSFET Intelligent Power Module Production by Region (2021-2026) & (K Units)

Table 7. World SiC MOSFET Intelligent Power Module Production by Region (2027-2032) & (K Units)

Table 8. World SiC MOSFET Intelligent Power Module Production Market Share by Region (2021-2026)

Table 9. World SiC MOSFET Intelligent Power Module Production Market Share by Region (2027-2032)

Table 10. World SiC MOSFET Intelligent Power Module Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World SiC MOSFET Intelligent Power Module Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. SiC MOSFET Intelligent Power Module Major Market Trends

Table 13. World SiC MOSFET Intelligent Power Module Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Units)

Table 14. World SiC MOSFET Intelligent Power Module Consumption by Region (2021-2026) & (K Units)

Table 15. World SiC MOSFET Intelligent Power Module Consumption Forecast by Region (2027-2032) & (K Units)

Table 16. World SiC MOSFET Intelligent Power Module Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key SiC MOSFET Intelligent Power Module Producers in 2025

Table 18. World SiC MOSFET Intelligent Power Module Production by Manufacturer (2021-2026) & (K Units)

Table 19. Production Market Share of Key SiC MOSFET Intelligent Power Module Producers in 2025

Table 20. World SiC MOSFET Intelligent Power Module Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 21. Global SiC MOSFET Intelligent Power Module Company Evaluation Quadrant

Table 22. World SiC MOSFET Intelligent Power Module Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and SiC MOSFET Intelligent Power Module Production Site of Key Manufacturer

Table 24. SiC MOSFET Intelligent Power Module Market: Company Product Type Footprint

Table 25. SiC MOSFET Intelligent Power Module Market: Company Product Application Footprint

Table 26. SiC MOSFET Intelligent Power Module Competitive Factors

Table 27. SiC MOSFET Intelligent Power Module New Entrant and Capacity Expansion Plans

Table 28. SiC MOSFET Intelligent Power Module Mergers & Acquisitions Activity

Table 29. United States VS China SiC MOSFET Intelligent Power Module Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China SiC MOSFET Intelligent Power Module Production Comparison, (2021 & 2025 & 2032) & (K Units)

Table 31. United States VS China SiC MOSFET Intelligent Power Module Consumption Comparison, (2021 & 2025 & 2032) & (K Units)

Table 32. United States Based SiC MOSFET Intelligent Power Module Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers SiC MOSFET Intelligent Power Module Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers SiC MOSFET Intelligent Power Module Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers SiC MOSFET Intelligent Power Module Production (2021-2026) & (K Units)

Table 36. United States Based Manufacturers SiC MOSFET Intelligent Power Module Production Market Share (2021-2026)

Table 37. China Based SiC MOSFET Intelligent Power Module Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers SiC MOSFET Intelligent Power Module Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers SiC MOSFET Intelligent Power Module Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers SiC MOSFET Intelligent Power Module Production, (2021-2026) & (K Units)

Table 41. China Based Manufacturers SiC MOSFET Intelligent Power Module Production Market Share (2021-2026)

Table 42. Rest of World Based SiC MOSFET Intelligent Power Module Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers SiC MOSFET Intelligent Power Module Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers SiC MOSFET Intelligent Power Module Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers SiC MOSFET Intelligent Power Module Production, (2021-2026) & (K Units)

Table 46. Rest of World Based Manufacturers SiC MOSFET Intelligent Power Module Production Market Share (2021-2026)

Table 47. World SiC MOSFET Intelligent Power Module Production Value by Voltage Rating, (USD Million), 2021 & 2025 & 2032

Table 48. World SiC MOSFET Intelligent Power Module Production by Voltage Rating (2021-2026) & (K Units)

Table 49. World SiC MOSFET Intelligent Power Module Production by Voltage Rating (2027-2032) & (K Units)

Table 50. World SiC MOSFET Intelligent Power Module Production Value by Voltage Rating (2021-2026) & (USD Million)

Table 51. World SiC MOSFET Intelligent Power Module Production Value by Voltage Rating (2027-2032) & (USD Million)

Table 52. World SiC MOSFET Intelligent Power Module Average Price by Voltage Rating (2021-2026) & (US\$/Unit)

Table 53. World SiC MOSFET Intelligent Power Module Average Price by Voltage Rating (2027-2032) & (US\$/Unit)

Table 54. World SiC MOSFET Intelligent Power Module Production Value by Package Type, (USD Million), 2021 & 2025 & 2032

Table 55. World SiC MOSFET Intelligent Power Module Production by Package Type (2021-2026) & (K Units)

Table 56. World SiC MOSFET Intelligent Power Module Production by Package Type (2027-2032) & (K Units)

Table 57. World SiC MOSFET Intelligent Power Module Production Value by Package Type (2021-2026) & (USD Million)

Table 58. World SiC MOSFET Intelligent Power Module Production Value by Package Type (2027-2032) & (USD Million)

Table 59. World SiC MOSFET Intelligent Power Module Average Price by Package

Type (2021-2026) & (US\$/Unit)

Table 60. World SiC MOSFET Intelligent Power Module Average Price by Package

Type (2027-2032) & (US\$/Unit)

Table 61. World SiC MOSFET Intelligent Power Module Production Value by Configuration, (USD Million), 2021 & 2025 & 2032

Table 62. World SiC MOSFET Intelligent Power Module Production by Configuration (2021-2026) & (K Units)

Table 63. World SiC MOSFET Intelligent Power Module Production by Configuration (2027-2032) & (K Units)

Table 64. World SiC MOSFET Intelligent Power Module Production Value by Configuration (2021-2026) & (USD Million)

Table 65. World SiC MOSFET Intelligent Power Module Production Value by Configuration (2027-2032) & (USD Million)

Table 66. World SiC MOSFET Intelligent Power Module Average Price by Configuration (2021-2026) & (US\$/Unit)

Table 67. World SiC MOSFET Intelligent Power Module Average Price by Configuration (2027-2032) & (US\$/Unit)

Table 68. World SiC MOSFET Intelligent Power Module Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World SiC MOSFET Intelligent Power Module Production by Application (2021-2026) & (K Units)

Table 70. World SiC MOSFET Intelligent Power Module Production by Application (2027-2032) & (K Units)

Table 71. World SiC MOSFET Intelligent Power Module Production Value by Application (2021-2026) & (USD Million)

Table 72. World SiC MOSFET Intelligent Power Module Production Value by Application (2027-2032) & (USD Million)

Table 73. World SiC MOSFET Intelligent Power Module Average Price by Application (2021-2026) & (US\$/Unit)

Table 74. World SiC MOSFET Intelligent 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 SiC MOSFET Intelligent Power Module Product and Services

Table 78. Infineon SiC MOSFET Intelligent 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. onsemi Basic Information, Manufacturing Base and Competitors
- Table 82. onsemi Major Business
- Table 83. onsemi SiC MOSFET Intelligent Power Module Product and Services
- Table 84. onsemi SiC MOSFET Intelligent Power Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 85. onsemi Recent Developments/Updates
- Table 86. onsemi Competitive Strengths & Weaknesses
- Table 87. Mitsubishi Electric Basic Information, Manufacturing Base and Competitors
- Table 88. Mitsubishi Electric Major Business
- Table 89. Mitsubishi Electric SiC MOSFET Intelligent Power Module Product and Services
- Table 90. Mitsubishi Electric SiC MOSFET Intelligent Power Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 91. Mitsubishi Electric Recent Developments/Updates
- Table 92. Mitsubishi Electric Competitive Strengths & Weaknesses
- Table 93. Cissoid Basic Information, Manufacturing Base and Competitors
- Table 94. Cissoid Major Business
- Table 95. Cissoid SiC MOSFET Intelligent Power Module Product and Services
- Table 96. Cissoid SiC MOSFET Intelligent Power Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 97. Cissoid Recent Developments/Updates
- Table 98. Cissoid Competitive Strengths & Weaknesses
- Table 99. Shenzhen Invsemi Technology Basic Information, Manufacturing Base and Competitors
- Table 100. Shenzhen Invsemi Technology Major Business
- Table 101. Shenzhen Invsemi Technology SiC MOSFET Intelligent Power Module Product and Services
- Table 102. Shenzhen Invsemi Technology SiC MOSFET Intelligent Power Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 103. Shenzhen Invsemi Technology Recent Developments/Updates
- Table 104. Shenzhen Invsemi Technology Competitive Strengths & Weaknesses
- Table 105. Apex Microtechnology (Apex) Basic Information, Manufacturing Base and Competitors
- Table 106. Apex Microtechnology (Apex) Major Business
- Table 107. Apex Microtechnology (Apex) SiC MOSFET Intelligent Power Module

## Product and Services

Table 108. Apex Microtechnology (Apex) SiC MOSFET Intelligent Power Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Apex Microtechnology (Apex) Recent Developments/Updates

Table 110. Apex Microtechnology (Apex) Competitive Strengths & Weaknesses

Table 111. Hisense Power Semiconductor Basic Information, Manufacturing Base and Competitors

Table 112. Hisense Power Semiconductor Major Business

Table 113. Hisense Power Semiconductor SiC MOSFET Intelligent Power Module Product and Services

Table 114. Hisense Power Semiconductor SiC MOSFET Intelligent Power Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. Hisense Power Semiconductor Recent Developments/Updates

Table 116. Hisense Power Semiconductor Competitive Strengths & Weaknesses

Table 117. Raon Semiconductor Basic Information, Manufacturing Base and Competitors

Table 118. Raon Semiconductor Major Business

Table 119. Raon Semiconductor SiC MOSFET Intelligent Power Module Product and Services

Table 120. Raon Semiconductor SiC MOSFET Intelligent Power Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. Raon Semiconductor Recent Developments/Updates

Table 122. Raon Semiconductor Competitive Strengths & Weaknesses

Table 123. Global Key Players of SiC MOSFET Intelligent Power Module Upstream (Raw Materials)

Table 124. Global SiC MOSFET Intelligent Power Module Typical Customers

Table 125. SiC MOSFET Intelligent Power Module Typical Distributors

## List Of Figures

### LIST OF FIGURES

- Figure 1. SiC MOSFET Intelligent Power Module Picture
- Figure 2. World SiC MOSFET Intelligent Power Module Production Value: 2021 & 2025 & 2032, (USD Million)
- Figure 3. World SiC MOSFET Intelligent Power Module Production Value and Forecast (2021-2032) & (USD Million)
- Figure 4. World SiC MOSFET Intelligent Power Module Production (2021-2032) & (K Units)
- Figure 5. World SiC MOSFET Intelligent Power Module Average Price (2021-2032) & (US\$/Unit)
- Figure 6. World SiC MOSFET Intelligent Power Module Production Value Market Share by Region (2021-2032)
- Figure 7. World SiC MOSFET Intelligent Power Module Production Market Share by Region (2021-2032)
- Figure 8. North America SiC MOSFET Intelligent Power Module Production (2021-2032) & (K Units)
- Figure 9. Europe SiC MOSFET Intelligent Power Module Production (2021-2032) & (K Units)
- Figure 10. China SiC MOSFET Intelligent Power Module Production (2021-2032) & (K Units)
- Figure 11. Japan SiC MOSFET Intelligent Power Module Production (2021-2032) & (K Units)
- Figure 12. SiC MOSFET Intelligent Power Module Market Drivers
- Figure 13. Factors Affecting Demand
- Figure 14. World SiC MOSFET Intelligent Power Module Consumption (2021-2032) & (K Units)
- Figure 15. World SiC MOSFET Intelligent Power Module Consumption Market Share by Region (2021-2032)
- Figure 16. United States SiC MOSFET Intelligent Power Module Consumption (2021-2032) & (K Units)
- Figure 17. China SiC MOSFET Intelligent Power Module Consumption (2021-2032) & (K Units)
- Figure 18. Europe SiC MOSFET Intelligent Power Module Consumption (2021-2032) & (K Units)
- Figure 19. Japan SiC MOSFET Intelligent Power Module Consumption (2021-2032) & (K Units)

Figure 20. South Korea SiC MOSFET Intelligent Power Module Consumption (2021-2032) & (K Units)

Figure 21. ASEAN SiC MOSFET Intelligent Power Module Consumption (2021-2032) & (K Units)

Figure 22. India SiC MOSFET Intelligent Power Module Consumption (2021-2032) & (K Units)

Figure 23. Producer Shipments of SiC MOSFET Intelligent Power Module by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for SiC MOSFET Intelligent Power Module Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for SiC MOSFET Intelligent Power Module Markets in 2025

Figure 26. United States VS China: SiC MOSFET Intelligent Power Module Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: SiC MOSFET Intelligent Power Module Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: SiC MOSFET Intelligent Power Module Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers SiC MOSFET Intelligent Power Module Production Market Share 2025

Figure 30. China Based Manufacturers SiC MOSFET Intelligent Power Module Production Market Share 2025

Figure 31. Rest of World Based Manufacturers SiC MOSFET Intelligent Power Module Production Market Share 2025

Figure 32. World SiC MOSFET Intelligent Power Module Production Value by Voltage Rating, (USD Million), 2021 & 2025 & 2032

Figure 33. World SiC MOSFET Intelligent Power Module Production Value Market Share by Voltage Rating in 2025

Figure 34. 1200V SiC-IPM

Figure 35. 650V SiC-IPM

Figure 36. World SiC MOSFET Intelligent Power Module Production Market Share by Voltage Rating (2021-2032)

Figure 37. World SiC MOSFET Intelligent Power Module Production Value Market Share by Voltage Rating (2021-2032)

Figure 38. World SiC MOSFET Intelligent Power Module Average Price by Voltage Rating (2021-2032) & (US\$/Unit)

Figure 39. World SiC MOSFET Intelligent Power Module Production Value by Package Type, (USD Million), 2021 & 2025 & 2032

Figure 40. World SiC MOSFET Intelligent Power Module Production Value Market

Share by Package Type in 2025

Figure 41. DBC-Based IPM

Figure 42. Transfer/Full-Molded IPM

Figure 43. World SiC MOSFET Intelligent Power Module Production Market Share by Package Type (2021-2032)

Figure 44. World SiC MOSFET Intelligent Power Module Production Value Market Share by Package Type (2021-2032)

Figure 45. World SiC MOSFET Intelligent Power Module Average Price by Package Type (2021-2032) & (US\$/Unit)

Figure 46. World SiC MOSFET Intelligent Power Module Production Value by Configuration, (USD Million), 2021 & 2025 & 2032

Figure 47. World SiC MOSFET Intelligent Power Module Production Value Market Share by Configuration in 2025

Figure 48. Three-Phase Inverter SiC IPM

Figure 49. Half-Bridge Inverter SiC IPM

Figure 50. World SiC MOSFET Intelligent Power Module Production Market Share by Configuration (2021-2032)

Figure 51. World SiC MOSFET Intelligent Power Module Production Value Market Share by Configuration (2021-2032)

Figure 52. World SiC MOSFET Intelligent Power Module Average Price by Configuration (2021-2032) & (US\$/Unit)

Figure 53. World SiC MOSFET Intelligent Power Module Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 54. World SiC MOSFET Intelligent Power Module Production Value Market Share by Application in 2025

Figure 55. Home Appliance

Figure 56. Industrial Motor

Figure 57. Automotive

Figure 58. Others

Figure 59. World SiC MOSFET Intelligent Power Module Production Market Share by Application (2021-2032)

Figure 60. World SiC MOSFET Intelligent Power Module Production Value Market Share by Application (2021-2032)

Figure 61. World SiC MOSFET Intelligent Power Module Average Price by Application (2021-2032) & (US\$/Unit)

Figure 62. SiC MOSFET Intelligent Power Module Industry Chain

Figure 63. SiC MOSFET Intelligent Power Module Procurement Model

Figure 64. SiC MOSFET Intelligent Power Module Sales Model

Figure 65. SiC MOSFET Intelligent Power Module Sales Channels, Direct Sales, and

Distribution

Figure 66. Methodology

Figure 67. Research Process and Data Source

## I would like to order

Product name: Global SiC MOSFET Intelligent Power Module Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/GD72F418B0C3EN.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](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GD72F418B0C3EN.html>