

Global Intelligent Power Module Market analysis, Size, segmented by Voltage Rating (Up to 600V,600V-1200V, More than 1200V). By Current Type (up to 100A,101-600A, More than 600A). By Power Device (IGBT, MOSFET). By Circuit Configuration (6-Pack,7-Pack, Dual, Phase Bridge). By Application (Consumer Electronics, Automotive, Renewable Energy, Other) Regional Forecasting 2020-2027.

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Abstracts

Global Intelligent Power Module Market was valued at USD 1.4 Billion in 2019 and expected to grow with a CAGR 9.6%. IPM's contain power switches (IGBT) and gate drivers in one module. It is integrated power supply device with advance protection that incorporates the digital intelligence provided by a microprocessor. The IPMs is improve dependability of short circuit Rated IGBTs which is led by durable gate driver by ICs with shielding feature in durable transfer frame package this is also reduce the assembly cost with simple assembly model. Factor like Self driving, Self-Protection capabilities of integrated power module boost the market growth. Rising focus on Renewable Power Sources and Minimizing Carbon Dioxide emission are the key driven factor of the global Intelligent Power Module Market. For Instances, According to US Environmental protection agency, In 2014, 65% carbon dioxide emitted by industrial processes and as per our world in Data Organization, in 2019, 11% of Global Primary energy come from renewable technology. Increased energy efficiency and compact design are expected to increase Intelligent power Module Market growth. However, the growth of Intelligent Power Module Market is hindered by difficulty in designing control structure coupled with the low adoption of technologies during the forecasting period. The regional analysis of the global Intelligent Power Module Market is considered for

the key regions such as Asia Pacific, North America, Europe, Latin America, and Rest of the World. APAC hold the largest market share of the global intelligent power module, and the market present high growth in future as well with increasing per capita income of middle class population. Many economically advanced countries have their manufacturing units in Japan, China, India and Korea. Moreover, the region is a manufacturing hub of electronic product.

Key Players in Global Intelligent Power Module Market

Mitsubishi Electric Corp
Infineon Technologies AG
Fuji Electric Co. Ltd
Fairchild Semiconductors
Semikron
ROHM Semiconductor
Vincotech GmbH
Future Electronics Inc.
ST Microelectronics N.V.
Powerex Inc
ON Semiconductor Corporation

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Voltage Rating:

Up to 600V
601V to 1200V
More than 1200V

By Current Type:

Upto 100A
101A-600A
More than 600A

By Circuit Configuration Type:

6- Pack
7_ Pack
Phase Bridge
Dual

By Application type:

Consumer Electronic
Automotive
Renewable energy
Other

By Power Device:

IGBT (Insulated-gate bipolar transistor)
MOSFET (metal-oxide semiconductor field effect transistor)

By Region:

North America
U.S.
Canada

Europe
UK
Germany
France
Spain
Italy

Asia Pacific

China
India
Japan
Australia

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2017, 2018

Base year – 2019

Forecast period – 2020 to 2027

Target Audience of the Intelligent Power Module Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2018-2027 (USD Billion)
 - 1.2.1. Intelligent Power Module, by Voltage Rating, 2018-2027 (USD Billion)
 - 1.2.2. Intelligent Power Module, by Current Type, 2018-2027 (USD Billion)
 - 1.2.3. Intelligent Power Module, by Power Device Type, 2018-2027 (USD Billion)
 - 1.2.4. Intelligent Power Module, By Current Configuration Type, 2018-2027(USD Billion)
 - 1.2.5. Intelligent Power Module by Application Type,2018-2027 (USD Billion)
 - 1.2.6. Intelligent Power Module, By Region, 2018-2027 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL INTELLIGENT POWER MODULE DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Scope of the Study
 - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL INTELLIGENT POWER MODULE DYNAMICS

- 3.1. Intelligent Power Module Impact Analysis (2018-2027)
 - 3.1.1. Market Drivers
 - 3.1.2. Market Challenges
 - 3.1.3. Market Opportunities

CHAPTER 4. GLOBAL INTELLIGENT POWER MODULE INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants

- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model (2018-2027)
- 4.2. PEST Analysis
 - 4.2.1. Political
 - 4.2.2. Economic
 - 4.2.3. Social
 - 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL INTELLIGENT POWER MODULE, BY VOLTAGE RATING

- 5.1. Market Snapshot
- 5.2. Global Intelligent Power Module by Source, Performance - Potential Analysis
- 5.3. Global Intelligent Power Module Estimates & Forecasts by Voltage Rating 2018-2027 (USD Billion)
- 5.4. Intelligent Power Module, Sub Segment Analysis
 - 5.4.1 Up to 600V
 - 5.4.2 600V-1200V
 - 5.4.3 More than 1200V

CHAPTER 6. GLOBAL INTELLIGENT POWER MODULE, BY CURRENT TYPE

- 6.1. Market Snapshot
- 6.2. Global Intelligent Power Module by Application, Performance - Potential Analysis
- 6.3. Global Intelligent Power Module Estimates & Forecasts by Current Type 2018-2027 (USD Billion)
- 6.4. Intelligent Power Module, Sub Segment Analysis
 - 6.4.1. Up to 100A
 - 6.4.2. 101A – 600A
 - 6.4.3. More than 600A

CHAPTER 7. GLOBAL INTELLIGENT POWER MODULE, BY POWER DEVICE TYPE

- 7.1. Market Snapshot
- 7.2. Global Intelligent Power Module by Application, Performance - Potential Analysis
- 7.3. Global Intelligent Power Module Estimates & Forecasts by Power Device Type 2018-2027 (USD Billion)

7.4. Intelligent Power Module, Sub Segment Analysis

7.4.1. IGBT (Insulated-gate bipolar transistor)

7.4.2. MOSFET (metal-oxide semiconductor field effect transistor)

CHAPTER 8. GLOBAL INTELLIGENT POWER MODULE, BY CIRCUIT CONFIGURATION TYPE

8.1. Market Snapshot

8.2. Global Intelligent Power Module by Application, Performance - Potential Analysis

8.3. Global Intelligent Power Module Estimates & Forecasts by Circuit Configuration type 2018-2027 (USD Billion)

8.4. Intelligent Power Module, Sub Segment Analysis

8.4.1. 6 pack

8.4.2. 7 Pack

8.4.3. Dual

8.4.4. Phase Bridge

CHAPTER 9. GLOBAL INTELLIGENT POWER MODULE, APPLICATION TYPE

9.1. Market Snapshot

9.2. Global Intelligent Power Module by Application, Performance - Potential Analysis

9.3. Global Intelligent Power Module Estimates & Forecasts by Application type 2018-2027 (USD Billion)

9.4. Intelligent Power Module, Sub Segment Analysis

9.4.1. Consumer Electronic

9.4.2. Automotive

9.4.3. Renewable Energy

9.4.4. Other

CHAPTER 10. GLOBAL INTELLIGENT POWER MODULE, REGIONAL ANALYSIS

10.1. Intelligent Power Module, Regional Market Snapshot

10.2. North America Intelligent Power Module

10.2.1. U.S. Intelligent Power Module

10.2.1.1. Voltage Rating breakdown estimates & forecasts, 2018-2027

10.2.1.2. Current Type breakdown estimates & forecasts, 2018-2027

10.2.1.3. Power Device Type Breakdown Estimates & forecasting, 2018-2027

10.2.1.4. Current Configuration Type Breakdown Estimates & forecasting, 2018-2027

10.2.1.5. 2027

- 10.2.1.6. Application Type Breakdown Estimates & forecasting,2018-2027
- 10.2.2. Canada Intelligent Power Module
- 10.3. Europe Intelligent Power Module Snapshot
 - 10.3.1. U.K. Intelligent Power Module
 - 10.3.2. Germany Intelligent Power Module
 - 10.3.3. France Intelligent Power Module
 - 10.3.4. Spain Intelligent Power Module
 - 10.3.5. Italy Intelligent Power Module
 - 10.3.6. Rest of Europe Intelligent Power Module
- 10.4. Asia-Pacific Intelligent Power Module Snapshot
 - 10.4.1. China Intelligent Power Module
 - 10.4.2. India Intelligent Power Module
 - 10.4.3. Japan Intelligent Power Module
 - 10.4.4. Australia Intelligent Power Module
- 10.5. Latin America Intelligent Power Module Market Snapshot
- 10.6. Africa Intelligent Power Module Snapshot
- 10.7. Rest of The World Intelligent Power Module

CHAPTER 11. COMPETITIVE INTELLIGENCE

- 11.1. Top Market Strategies
- 11.2. Company Profiles
 - 10.2.1. Mitsubishi Electric Corp
 - 10.2.1.1 Key Information
 - 10.2.1.2 Overview
 - 10.2.1.3 Financial (Subject to Data Availability)
 - 10.2.1.4 Product Summary
 - 10.2.1.5 Recent Developments
 - 11.2.2. Infineon Technologies AG
 - 11.2.3. Fuji Electric Co. Ltd
 - 11.2.4. Fairchild Semiconductors
 - 11.2.5. Semikron
 - 11.2.6. ROHM Semiconductor
 - 11.2.7. Vincotech GmbH
 - 11.2.8. Future Electronics Inc.
 - 11.2.9. ST Microelectronics
 - 11.2.10. Powerex Inc.
 - 11.2.11. ON Semiconductor Corporation
- 11 Research Process

11.2 Research Process

11.2.1 Data Mining

11.2.2 Analysis

11.2.3 Market Estimation

11.2.4 Validation

11.2.5 Publishing

11.3 Research Attributes

11.4 Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. Global Intelligent Power Module, report scope

TABLE 2. Global Intelligent Power Module estimates & forecasts by region 2018-2027 (USD Billion)

TABLE 3. Global Intelligent Power Module estimates & forecasts by Voltage Rating 2018-2027 (USD Billion)

TABLE 4. Global Intelligent Power Module estimates & forecasts by Current Type 2018-2027 (USD Billion)

TABLE 5. Global Intelligent Power Module estimates & forecasts by Power Device Type,2018-2027 (USD Billion)

TABLE 6. Global Intelligent Power Module estimates & forecasts by Current Configuration Type 2018-2027 (USD Billion)

TABLE 7. Global Intelligent Power Module estimates & forecasts by Application Type ,2018-2027 (USD Billion)

TABLE 8.

TABLE 9. Global Intelligent Power Module by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 10. Global Intelligent Power Module by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 11. Global Intelligent Power Module by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 12. Global Intelligent Power Module by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 13. Global Intelligent Power Module by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 14. Global Intelligent Power Module by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 15. Global Intelligent Power Module by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 16. Global Intelligent Power Module by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 17. Global Intelligent Power Module by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 18. Global Intelligent Power Module by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 19. Global Intelligent Power Module by segment, estimates & forecasts,

2018-2027 (USD Billion)

TABLE 20. Global Intelligent Power Module by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 21. Global Intelligent Power Module by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 22. Global Intelligent Power Module by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 23. Global Intelligent Power Module by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 24. Global Intelligent Power Module by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 25. U.S. Intelligent Power Module estimates & forecasts, 2018-2027 (USD Billion)

TABLE 26. U.S. Intelligent Power Module estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 27. U.S. Intelligent Power Module estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 28. Canada Intelligent Power Module estimates & forecasts, 2018-2027 (USD Billion)

TABLE 29. Canada Intelligent Power Module estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 30. Canada Intelligent Power Module estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 31. UK Intelligent Power Module estimates & forecasts, 2018-2027 (USD Billion)

TABLE 32. UK Intelligent Power Module estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 33. UK Intelligent Power Module estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 34. Germany Intelligent Power Module estimates & forecasts, 2018-2027 (USD Billion)

TABLE 35. Germany Intelligent Power Module estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 36. Germany Intelligent Power Module estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 37. France Intelligent Power Module estimates & forecasts, 2018-2027 (USD Billion)

TABLE 38. France Intelligent Power Module estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 39. France Intelligent Power Module estimates & forecasts by segment

2018-2027 (USD Billion)

TABLE 40. Spain Intelligent Power Module estimates & forecasts, 2018-2027 (USD Billion)

TABLE 41. Spain Intelligent Power Module estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 42. Spain Intelligent Power Module estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 43. Italy Intelligent Power Module estimates & forecasts, 2018-2027 (USD Billion)

TABLE 44. Italy Intelligent Power Module estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 45. Italy Intelligent Power Module estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 46. China Intelligent Power Module estimates & forecasts, 2018-2027 (USD Billion)

TABLE 47. China Intelligent Power Module estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 48. China Intelligent Power Module estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 49. India Intelligent Power Module estimates & forecasts, 2018-2027 (USD Billion)

TABLE 50. India Intelligent Power Module estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 51. India Intelligent Power Module estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 52. Japan Intelligent Power Module estimates & forecasts, 2018-2027 (USD Billion)

TABLE 53. Japan Intelligent Power Module estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 54. Japan Intelligent Power Module estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 55. Australia Intelligent Power Module estimates & forecasts, 2018-2027 (USD Billion)

TABLE 56. Australia Intelligent Power Module estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 57. ROW Intelligent Power Module estimates & forecasts, 2018-2027 (USD Billion)

TABLE 58. ROW Intelligent Power Module estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 59. ROW Intelligent Power Module estimates & forecasts by segment
2018-2027 (USD Billion)

TABLE 60. List of secondary sources, used in the study of global Intelligent Power
Module

TABLE 61. List of primary sources, used in the study of global Intelligent Power Module

TABLE 62. Years considered for the study

TABLE 63. Exchange rates considered

List Of Figures

LIST OF FIGURES

- FIG 1. Global Intelligent Power Module, research methodology
- FIG 2. Global Intelligent Power Module, market estimation techniques
- FIG 3. Global market size estimates & forecast methods
- FIG 4. Global Intelligent Power Module, key trends 2018
- FIG 5. Global Intelligent Power Module, growth prospects 2020-2027
- FIG 6. Global Intelligent Power Module, porters 5 force model
- FIG 7. Global Intelligent Power Module, pest analysis
- FIG 8. Global Intelligent Power Module, value chain analysis
- FIG 9. Global Intelligent Power Module by segment, 2018 & 2027 (USD Billion)
- FIG 10. Global Intelligent Power Module by segment, 2018 & 2027 (USD Billion)
- FIG 11. Global Intelligent Power Module by segment, 2018 & 2027 (USD Billion)
- FIG 12. Global Intelligent Power Module by segment, 2018 & 2027 (USD Billion)
- FIG 13. Global Intelligent Power Module by segment, 2018 & 2027 (USD Billion)
- FIG 14. Global Intelligent Power Module by segment, 2018 & 2027 (USD Billion)
- FIG 15. Global Intelligent Power Module by segment, 2018 & 2027 (USD Billion)
- FIG 16. Global Intelligent Power Module by segment, 2018 & 2027 (USD Billion)
- FIG 17. Global Intelligent Power Module, regional snapshot 2018 & 2027
- FIG 18. North America Intelligent Power Module 2018 & 2027 (USD Billion)
- FIG 19. Europe Intelligent Power Module 2018 & 2027 (USD Billion)
- FIG 20. Asia-Pacific Intelligent Power Module 2018 & 2027 (USD Billion)
- FIG 21. Latin America Intelligent Power Module 2018 & 2027 (USD Billion)
- FIG 22. Global Intelligent Power Module, company market share analysis (2018)

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