

Global Power Module Packaging Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Power Module Packaging market size was valued at USD 2276 million in 2023 and is forecast to a readjusted size of USD 3767.4 million by 2030 with a CAGR of 7.5% during review period.

A power electronic module or power module acts as a physical container for the storage of several power components, usually power semiconductor devices.

The market growth is driven by reduction in wastage of energy, use of efficient distributed cooling schemes, reduction in footprint, and consequent increase in power density.

The Global Info Research report includes an overview of the development of the Power Module Packaging industry chain, the market status of Electric Vehicles (EV) (GaN Module, SiC Module), Rail Traction (GaN Module, SiC Module), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Power Module Packaging.

Regionally, the report analyzes the Power Module Packaging markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Power Module Packaging market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Power Module Packaging market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Power Module Packaging industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., GaN Module, SiC Module).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Power Module Packaging market.

Regional Analysis: The report involves examining the Power Module Packaging market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Power Module Packaging market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Power Module Packaging:

Company Analysis: Report covers individual Power Module Packaging manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Power Module Packaging This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Electric Vehicles (EV), Rail Traction).

Technology Analysis: Report covers specific technologies relevant to Power Module Packaging. It assesses the current state, advancements, and potential future developments in Power Module Packaging areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Power Module Packaging market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Power Module Packaging market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

GaN Module

SiC Module

FET Module

IGBT Module

Others

Market segment by Application

Electric Vehicles (EV)

Rail Tractions

Wind Turbines

Photovoltaic Equipment

Others

Major players covered

Texas Instruments Incorporated

Star Automations

DyDac Controls

SEMIKRON

IXYS Corporation

Infineon Technologies AG

Mitsubishi Electric Corporation

Fuji Electric

Sanken Electric

Sansha Electric

ON Semiconductor

STMicroelectronics

Hitachi Power Semiconductor Device

ROHM

Danfoss

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Power Module Packaging product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Power Module Packaging, with price, sales, revenue and global market share of Power Module Packaging from 2019 to 2024.

Chapter 3, the Power Module Packaging competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Power Module Packaging breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Power Module Packaging market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Power Module Packaging.

Chapter 14 and 15, to describe Power Module Packaging sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope of Power Module Packaging

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Power Module Packaging Consumption Value by Type: 2019 Versus 2023 Versus 2030

1.3.2 GaN Module

1.3.3 SiC Module

1.3.4 FET Module

1.3.5 IGBT Module

1.3.6 Others

1.4 Market Analysis by Application

1.4.1 Overview: Global Power Module Packaging Consumption Value by Application: 2019 Versus 2023 Versus 2030

1.4.2 Electric Vehicles (EV)

1.4.3 Rail Tractions

1.4.4 Wind Turbines

1.4.5 Photovoltaic Equipment

1.4.6 Others

1.5 Global Power Module Packaging Market Size & Forecast

1.5.1 Global Power Module Packaging Consumption Value (2019 & 2023 & 2030)

1.5.2 Global Power Module Packaging Sales Quantity (2019-2030)

1.5.3 Global Power Module Packaging Average Price (2019-2030)

2 MANUFACTURERS PROFILES

2.1 Texas Instruments Incorporated

2.1.1 Texas Instruments Incorporated Details

2.1.2 Texas Instruments Incorporated Major Business

2.1.3 Texas Instruments Incorporated Power Module Packaging Product and Services

2.1.4 Texas Instruments Incorporated Power Module Packaging Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.1.5 Texas Instruments Incorporated Recent Developments/Updates

2.2 Star Automations

2.2.1 Star Automations Details

2.2.2 Star Automations Major Business

- 2.2.3 Star Automations Power Module Packaging Product and Services
- 2.2.4 Star Automations Power Module Packaging Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.2.5 Star Automations Recent Developments/Updates
- 2.3 DyDac Controls
 - 2.3.1 DyDac Controls Details
 - 2.3.2 DyDac Controls Major Business
 - 2.3.3 DyDac Controls Power Module Packaging Product and Services
 - 2.3.4 DyDac Controls Power Module Packaging Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.3.5 DyDac Controls Recent Developments/Updates
- 2.4 SEMIKRON
 - 2.4.1 SEMIKRON Details
 - 2.4.2 SEMIKRON Major Business
 - 2.4.3 SEMIKRON Power Module Packaging Product and Services
 - 2.4.4 SEMIKRON Power Module Packaging Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.4.5 SEMIKRON Recent Developments/Updates
- 2.5 IXYS Corporation
 - 2.5.1 IXYS Corporation Details
 - 2.5.2 IXYS Corporation Major Business
 - 2.5.3 IXYS Corporation Power Module Packaging Product and Services
 - 2.5.4 IXYS Corporation Power Module Packaging Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.5.5 IXYS Corporation Recent Developments/Updates
- 2.6 Infineon Technologies AG
 - 2.6.1 Infineon Technologies AG Details
 - 2.6.2 Infineon Technologies AG Major Business
 - 2.6.3 Infineon Technologies AG Power Module Packaging Product and Services
 - 2.6.4 Infineon Technologies AG Power Module Packaging Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.6.5 Infineon Technologies AG Recent Developments/Updates
- 2.7 Mitsubishi Electric Corporation
 - 2.7.1 Mitsubishi Electric Corporation Details
 - 2.7.2 Mitsubishi Electric Corporation Major Business
 - 2.7.3 Mitsubishi Electric Corporation Power Module Packaging Product and Services
 - 2.7.4 Mitsubishi Electric Corporation Power Module Packaging Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.7.5 Mitsubishi Electric Corporation Recent Developments/Updates

2.8 Fuji Electric

2.8.1 Fuji Electric Details

2.8.2 Fuji Electric Major Business

2.8.3 Fuji Electric Power Module Packaging Product and Services

2.8.4 Fuji Electric Power Module Packaging Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.8.5 Fuji Electric Recent Developments/Updates

2.9 Sanken Electric

2.9.1 Sanken Electric Details

2.9.2 Sanken Electric Major Business

2.9.3 Sanken Electric Power Module Packaging Product and Services

2.9.4 Sanken Electric Power Module Packaging Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.9.5 Sanken Electric Recent Developments/Updates

2.10 Sansha Electric

2.10.1 Sansha Electric Details

2.10.2 Sansha Electric Major Business

2.10.3 Sansha Electric Power Module Packaging Product and Services

2.10.4 Sansha Electric Power Module Packaging Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.10.5 Sansha Electric Recent Developments/Updates

2.11 ON Semiconductor

2.11.1 ON Semiconductor Details

2.11.2 ON Semiconductor Major Business

2.11.3 ON Semiconductor Power Module Packaging Product and Services

2.11.4 ON Semiconductor Power Module Packaging Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.11.5 ON Semiconductor Recent Developments/Updates

2.12 STMicroelectronics

2.12.1 STMicroelectronics Details

2.12.2 STMicroelectronics Major Business

2.12.3 STMicroelectronics Power Module Packaging Product and Services

2.12.4 STMicroelectronics Power Module Packaging Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.12.5 STMicroelectronics Recent Developments/Updates

2.13 Hitachi Power Semiconductor Device

2.13.1 Hitachi Power Semiconductor Device Details

2.13.2 Hitachi Power Semiconductor Device Major Business

2.13.3 Hitachi Power Semiconductor Device Power Module Packaging Product and

Services

2.13.4 Hitachi Power Semiconductor Device Power Module Packaging Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.13.5 Hitachi Power Semiconductor Device Recent Developments/Updates

2.14 ROHM

2.14.1 ROHM Details

2.14.2 ROHM Major Business

2.14.3 ROHM Power Module Packaging Product and Services

2.14.4 ROHM Power Module Packaging Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.14.5 ROHM Recent Developments/Updates

2.15 Danfoss

2.15.1 Danfoss Details

2.15.2 Danfoss Major Business

2.15.3 Danfoss Power Module Packaging Product and Services

2.15.4 Danfoss Power Module Packaging Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.15.5 Danfoss Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: POWER MODULE PACKAGING BY MANUFACTURER

3.1 Global Power Module Packaging Sales Quantity by Manufacturer (2019-2024)

3.2 Global Power Module Packaging Revenue by Manufacturer (2019-2024)

3.3 Global Power Module Packaging Average Price by Manufacturer (2019-2024)

3.4 Market Share Analysis (2023)

3.4.1 Producer Shipments of Power Module Packaging by Manufacturer Revenue (\$MM) and Market Share (%): 2023

3.4.2 Top 3 Power Module Packaging Manufacturer Market Share in 2023

3.4.2 Top 6 Power Module Packaging Manufacturer Market Share in 2023

3.5 Power Module Packaging Market: Overall Company Footprint Analysis

3.5.1 Power Module Packaging Market: Region Footprint

3.5.2 Power Module Packaging Market: Company Product Type Footprint

3.5.3 Power Module Packaging Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global Power Module Packaging Market Size by Region

- 4.1.1 Global Power Module Packaging Sales Quantity by Region (2019-2030)
- 4.1.2 Global Power Module Packaging Consumption Value by Region (2019-2030)
- 4.1.3 Global Power Module Packaging Average Price by Region (2019-2030)

4.2 North America Power Module Packaging Consumption Value (2019-2030)

4.3 Europe Power Module Packaging Consumption Value (2019-2030)

4.4 Asia-Pacific Power Module Packaging Consumption Value (2019-2030)

4.5 South America Power Module Packaging Consumption Value (2019-2030)

4.6 Middle East and Africa Power Module Packaging Consumption Value (2019-2030)

5 MARKET SEGMENT BY TYPE

5.1 Global Power Module Packaging Sales Quantity by Type (2019-2030)

5.2 Global Power Module Packaging Consumption Value by Type (2019-2030)

5.3 Global Power Module Packaging Average Price by Type (2019-2030)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Power Module Packaging Sales Quantity by Application (2019-2030)

6.2 Global Power Module Packaging Consumption Value by Application (2019-2030)

6.3 Global Power Module Packaging Average Price by Application (2019-2030)

7 NORTH AMERICA

7.1 North America Power Module Packaging Sales Quantity by Type (2019-2030)

7.2 North America Power Module Packaging Sales Quantity by Application (2019-2030)

7.3 North America Power Module Packaging Market Size by Country

7.3.1 North America Power Module Packaging Sales Quantity by Country (2019-2030)

7.3.2 North America Power Module Packaging Consumption Value by Country (2019-2030)

7.3.3 United States Market Size and Forecast (2019-2030)

7.3.4 Canada Market Size and Forecast (2019-2030)

7.3.5 Mexico Market Size and Forecast (2019-2030)

8 EUROPE

8.1 Europe Power Module Packaging Sales Quantity by Type (2019-2030)

8.2 Europe Power Module Packaging Sales Quantity by Application (2019-2030)

8.3 Europe Power Module Packaging Market Size by Country

- 8.3.1 Europe Power Module Packaging Sales Quantity by Country (2019-2030)
- 8.3.2 Europe Power Module Packaging Consumption Value by Country (2019-2030)
- 8.3.3 Germany Market Size and Forecast (2019-2030)
- 8.3.4 France Market Size and Forecast (2019-2030)
- 8.3.5 United Kingdom Market Size and Forecast (2019-2030)
- 8.3.6 Russia Market Size and Forecast (2019-2030)
- 8.3.7 Italy Market Size and Forecast (2019-2030)

9 ASIA-PACIFIC

- 9.1 Asia-Pacific Power Module Packaging Sales Quantity by Type (2019-2030)
- 9.2 Asia-Pacific Power Module Packaging Sales Quantity by Application (2019-2030)
- 9.3 Asia-Pacific Power Module Packaging Market Size by Region
 - 9.3.1 Asia-Pacific Power Module Packaging Sales Quantity by Region (2019-2030)
 - 9.3.2 Asia-Pacific Power Module Packaging Consumption Value by Region (2019-2030)
 - 9.3.3 China Market Size and Forecast (2019-2030)
 - 9.3.4 Japan Market Size and Forecast (2019-2030)
 - 9.3.5 Korea Market Size and Forecast (2019-2030)
 - 9.3.6 India Market Size and Forecast (2019-2030)
 - 9.3.7 Southeast Asia Market Size and Forecast (2019-2030)
 - 9.3.8 Australia Market Size and Forecast (2019-2030)

10 SOUTH AMERICA

- 10.1 South America Power Module Packaging Sales Quantity by Type (2019-2030)
- 10.2 South America Power Module Packaging Sales Quantity by Application (2019-2030)
- 10.3 South America Power Module Packaging Market Size by Country
 - 10.3.1 South America Power Module Packaging Sales Quantity by Country (2019-2030)
 - 10.3.2 South America Power Module Packaging Consumption Value by Country (2019-2030)
 - 10.3.3 Brazil Market Size and Forecast (2019-2030)
 - 10.3.4 Argentina Market Size and Forecast (2019-2030)

11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa Power Module Packaging Sales Quantity by Type

(2019-2030)

11.2 Middle East & Africa Power Module Packaging Sales Quantity by Application

(2019-2030)

11.3 Middle East & Africa Power Module Packaging Market Size by Country

11.3.1 Middle East & Africa Power Module Packaging Sales Quantity by Country

(2019-2030)

11.3.2 Middle East & Africa Power Module Packaging Consumption Value by Country

(2019-2030)

11.3.3 Turkey Market Size and Forecast (2019-2030)

11.3.4 Egypt Market Size and Forecast (2019-2030)

11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)

11.3.6 South Africa Market Size and Forecast (2019-2030)

12 MARKET DYNAMICS

12.1 Power Module Packaging Market Drivers

12.2 Power Module Packaging Market Restraints

12.3 Power Module Packaging Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Power Module Packaging and Key Manufacturers

13.2 Manufacturing Costs Percentage of Power Module Packaging

13.3 Power Module Packaging Production Process

13.4 Power Module Packaging Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Power Module Packaging Typical Distributors

14.3 Power Module Packaging Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Power Module Packaging Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Power Module Packaging Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. Texas Instruments Incorporated Basic Information, Manufacturing Base and Competitors

Table 4. Texas Instruments Incorporated Major Business

Table 5. Texas Instruments Incorporated Power Module Packaging Product and Services

Table 6. Texas Instruments Incorporated Power Module Packaging Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. Texas Instruments Incorporated Recent Developments/Updates

Table 8. Star Automations Basic Information, Manufacturing Base and Competitors

Table 9. Star Automations Major Business

Table 10. Star Automations Power Module Packaging Product and Services

Table 11. Star Automations Power Module Packaging Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. Star Automations Recent Developments/Updates

Table 13. DyDac Controls Basic Information, Manufacturing Base and Competitors

Table 14. DyDac Controls Major Business

Table 15. DyDac Controls Power Module Packaging Product and Services

Table 16. DyDac Controls Power Module Packaging Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. DyDac Controls Recent Developments/Updates

Table 18. SEMIKRON Basic Information, Manufacturing Base and Competitors

Table 19. SEMIKRON Major Business

Table 20. SEMIKRON Power Module Packaging Product and Services

Table 21. SEMIKRON Power Module Packaging Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 22. SEMIKRON Recent Developments/Updates

Table 23. IXYS Corporation Basic Information, Manufacturing Base and Competitors

Table 24. IXYS Corporation Major Business

Table 25. IXYS Corporation Power Module Packaging Product and Services

Table 26. IXYS Corporation Power Module Packaging Sales Quantity (K Units),

Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 27. IXYS Corporation Recent Developments/Updates

Table 28. Infineon Technologies AG Basic Information, Manufacturing Base and Competitors

Table 29. Infineon Technologies AG Major Business

Table 30. Infineon Technologies AG Power Module Packaging Product and Services

Table 31. Infineon Technologies AG Power Module Packaging Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 32. Infineon Technologies AG Recent Developments/Updates

Table 33. Mitsubishi Electric Corporation Basic Information, Manufacturing Base and Competitors

Table 34. Mitsubishi Electric Corporation Major Business

Table 35. Mitsubishi Electric Corporation Power Module Packaging Product and Services

Table 36. Mitsubishi Electric Corporation Power Module Packaging Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 37. Mitsubishi Electric Corporation Recent Developments/Updates

Table 38. Fuji Electric Basic Information, Manufacturing Base and Competitors

Table 39. Fuji Electric Major Business

Table 40. Fuji Electric Power Module Packaging Product and Services

Table 41. Fuji Electric Power Module Packaging Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 42. Fuji Electric Recent Developments/Updates

Table 43. Sanken Electric Basic Information, Manufacturing Base and Competitors

Table 44. Sanken Electric Major Business

Table 45. Sanken Electric Power Module Packaging Product and Services

Table 46. Sanken Electric Power Module Packaging Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 47. Sanken Electric Recent Developments/Updates

Table 48. Sansha Electric Basic Information, Manufacturing Base and Competitors

Table 49. Sansha Electric Major Business

Table 50. Sansha Electric Power Module Packaging Product and Services

Table 51. Sansha Electric Power Module Packaging Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 52. Sansha Electric Recent Developments/Updates

Table 53. ON Semiconductor Basic Information, Manufacturing Base and Competitors

- Table 54. ON Semiconductor Major Business
- Table 55. ON Semiconductor Power Module Packaging Product and Services
- Table 56. ON Semiconductor Power Module Packaging Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 57. ON Semiconductor Recent Developments/Updates
- Table 58. STMicroelectronics Basic Information, Manufacturing Base and Competitors
- Table 59. STMicroelectronics Major Business
- Table 60. STMicroelectronics Power Module Packaging Product and Services
- Table 61. STMicroelectronics Power Module Packaging Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 62. STMicroelectronics Recent Developments/Updates
- Table 63. Hitachi Power Semiconductor Device Basic Information, Manufacturing Base and Competitors
- Table 64. Hitachi Power Semiconductor Device Major Business
- Table 65. Hitachi Power Semiconductor Device Power Module Packaging Product and Services
- Table 66. Hitachi Power Semiconductor Device Power Module Packaging Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 67. Hitachi Power Semiconductor Device Recent Developments/Updates
- Table 68. ROHM Basic Information, Manufacturing Base and Competitors
- Table 69. ROHM Major Business
- Table 70. ROHM Power Module Packaging Product and Services
- Table 71. ROHM Power Module Packaging Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 72. ROHM Recent Developments/Updates
- Table 73. Danfoss Basic Information, Manufacturing Base and Competitors
- Table 74. Danfoss Major Business
- Table 75. Danfoss Power Module Packaging Product and Services
- Table 76. Danfoss Power Module Packaging Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 77. Danfoss Recent Developments/Updates
- Table 78. Global Power Module Packaging Sales Quantity by Manufacturer (2019-2024) & (K Units)
- Table 79. Global Power Module Packaging Revenue by Manufacturer (2019-2024) & (USD Million)
- Table 80. Global Power Module Packaging Average Price by Manufacturer (2019-2024)

& (USD/Unit)

Table 81. Market Position of Manufacturers in Power Module Packaging, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023

Table 82. Head Office and Power Module Packaging Production Site of Key Manufacturer

Table 83. Power Module Packaging Market: Company Product Type Footprint

Table 84. Power Module Packaging Market: Company Product Application Footprint

Table 85. Power Module Packaging New Market Entrants and Barriers to Market Entry

Table 86. Power Module Packaging Mergers, Acquisition, Agreements, and Collaborations

Table 87. Global Power Module Packaging Sales Quantity by Region (2019-2024) & (K Units)

Table 88. Global Power Module Packaging Sales Quantity by Region (2025-2030) & (K Units)

Table 89. Global Power Module Packaging Consumption Value by Region (2019-2024) & (USD Million)

Table 90. Global Power Module Packaging Consumption Value by Region (2025-2030) & (USD Million)

Table 91. Global Power Module Packaging Average Price by Region (2019-2024) & (USD/Unit)

Table 92. Global Power Module Packaging Average Price by Region (2025-2030) & (USD/Unit)

Table 93. Global Power Module Packaging Sales Quantity by Type (2019-2024) & (K Units)

Table 94. Global Power Module Packaging Sales Quantity by Type (2025-2030) & (K Units)

Table 95. Global Power Module Packaging Consumption Value by Type (2019-2024) & (USD Million)

Table 96. Global Power Module Packaging Consumption Value by Type (2025-2030) & (USD Million)

Table 97. Global Power Module Packaging Average Price by Type (2019-2024) & (USD/Unit)

Table 98. Global Power Module Packaging Average Price by Type (2025-2030) & (USD/Unit)

Table 99. Global Power Module Packaging Sales Quantity by Application (2019-2024) & (K Units)

Table 100. Global Power Module Packaging Sales Quantity by Application (2025-2030) & (K Units)

Table 101. Global Power Module Packaging Consumption Value by Application

(2019-2024) & (USD Million)

Table 102. Global Power Module Packaging Consumption Value by Application

(2025-2030) & (USD Million)

Table 103. Global Power Module Packaging Average Price by Application (2019-2024) & (USD/Unit)

Table 104. Global Power Module Packaging Average Price by Application (2025-2030) & (USD/Unit)

Table 105. North America Power Module Packaging Sales Quantity by Type (2019-2024) & (K Units)

Table 106. North America Power Module Packaging Sales Quantity by Type (2025-2030) & (K Units)

Table 107. North America Power Module Packaging Sales Quantity by Application (2019-2024) & (K Units)

Table 108. North America Power Module Packaging Sales Quantity by Application (2025-2030) & (K Units)

Table 109. North America Power Module Packaging Sales Quantity by Country (2019-2024) & (K Units)

Table 110. North America Power Module Packaging Sales Quantity by Country (2025-2030) & (K Units)

Table 111. North America Power Module Packaging Consumption Value by Country (2019-2024) & (USD Million)

Table 112. North America Power Module Packaging Consumption Value by Country (2025-2030) & (USD Million)

Table 113. Europe Power Module Packaging Sales Quantity by Type (2019-2024) & (K Units)

Table 114. Europe Power Module Packaging Sales Quantity by Type (2025-2030) & (K Units)

Table 115. Europe Power Module Packaging Sales Quantity by Application (2019-2024) & (K Units)

Table 116. Europe Power Module Packaging Sales Quantity by Application (2025-2030) & (K Units)

Table 117. Europe Power Module Packaging Sales Quantity by Country (2019-2024) & (K Units)

Table 118. Europe Power Module Packaging Sales Quantity by Country (2025-2030) & (K Units)

Table 119. Europe Power Module Packaging Consumption Value by Country (2019-2024) & (USD Million)

Table 120. Europe Power Module Packaging Consumption Value by Country (2025-2030) & (USD Million)

Table 121. Asia-Pacific Power Module Packaging Sales Quantity by Type (2019-2024) & (K Units)

Table 122. Asia-Pacific Power Module Packaging Sales Quantity by Type (2025-2030) & (K Units)

Table 123. Asia-Pacific Power Module Packaging Sales Quantity by Application (2019-2024) & (K Units)

Table 124. Asia-Pacific Power Module Packaging Sales Quantity by Application (2025-2030) & (K Units)

Table 125. Asia-Pacific Power Module Packaging Sales Quantity by Region (2019-2024) & (K Units)

Table 126. Asia-Pacific Power Module Packaging Sales Quantity by Region (2025-2030) & (K Units)

Table 127. Asia-Pacific Power Module Packaging Consumption Value by Region (2019-2024) & (USD Million)

Table 128. Asia-Pacific Power Module Packaging Consumption Value by Region (2025-2030) & (USD Million)

Table 129. South America Power Module Packaging Sales Quantity by Type (2019-2024) & (K Units)

Table 130. South America Power Module Packaging Sales Quantity by Type (2025-2030) & (K Units)

Table 131. South America Power Module Packaging Sales Quantity by Application (2019-2024) & (K Units)

Table 132. South America Power Module Packaging Sales Quantity by Application (2025-2030) & (K Units)

Table 133. South America Power Module Packaging Sales Quantity by Country (2019-2024) & (K Units)

Table 134. South America Power Module Packaging Sales Quantity by Country (2025-2030) & (K Units)

Table 135. South America Power Module Packaging Consumption Value by Country (2019-2024) & (USD Million)

Table 136. South America Power Module Packaging Consumption Value by Country (2025-2030) & (USD Million)

Table 137. Middle East & Africa Power Module Packaging Sales Quantity by Type (2019-2024) & (K Units)

Table 138. Middle East & Africa Power Module Packaging Sales Quantity by Type (2025-2030) & (K Units)

Table 139. Middle East & Africa Power Module Packaging Sales Quantity by Application (2019-2024) & (K Units)

Table 140. Middle East & Africa Power Module Packaging Sales Quantity by Application

(2025-2030) & (K Units)

Table 141. Middle East & Africa Power Module Packaging Sales Quantity by Region (2019-2024) & (K Units)

Table 142. Middle East & Africa Power Module Packaging Sales Quantity by Region (2025-2030) & (K Units)

Table 143. Middle East & Africa Power Module Packaging Consumption Value by Region (2019-2024) & (USD Million)

Table 144. Middle East & Africa Power Module Packaging Consumption Value by Region (2025-2030) & (USD Million)

Table 145. Power Module Packaging Raw Material

Table 146. Key Manufacturers of Power Module Packaging Raw Materials

Table 147. Power Module Packaging Typical Distributors

Table 148. Power Module Packaging Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Power Module Packaging Picture

Figure 2. Global Power Module Packaging Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Figure 3. Global Power Module Packaging Consumption Value Market Share by Type in 2023

Figure 4. GaN Module Examples

Figure 5. SiC Module Examples

Figure 6. FET Module Examples

Figure 7. IGBT Module Examples

Figure 8. Others Examples

Figure 9. Global Power Module Packaging Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Figure 10. Global Power Module Packaging Consumption Value Market Share by Application in 2023

Figure 11. Electric Vehicles (EV) Examples

Figure 12. Rail Tractions Examples

Figure 13. Wind Turbines Examples

Figure 14. Photovoltaic Equipment Examples

Figure 15. Others Examples

Figure 16. Global Power Module Packaging Consumption Value, (USD Million): 2019 & 2023 & 2030

Figure 17. Global Power Module Packaging Consumption Value and Forecast (2019-2030) & (USD Million)

Figure 18. Global Power Module Packaging Sales Quantity (2019-2030) & (K Units)

Figure 19. Global Power Module Packaging Average Price (2019-2030) & (USD/Unit)

Figure 20. Global Power Module Packaging Sales Quantity Market Share by Manufacturer in 2023

Figure 21. Global Power Module Packaging Consumption Value Market Share by Manufacturer in 2023

Figure 22. Producer Shipments of Power Module Packaging by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023

Figure 23. Top 3 Power Module Packaging Manufacturer (Consumption Value) Market Share in 2023

Figure 24. Top 6 Power Module Packaging Manufacturer (Consumption Value) Market Share in 2023

Figure 25. Global Power Module Packaging Sales Quantity Market Share by Region (2019-2030)

Figure 26. Global Power Module Packaging Consumption Value Market Share by Region (2019-2030)

Figure 27. North America Power Module Packaging Consumption Value (2019-2030) & (USD Million)

Figure 28. Europe Power Module Packaging Consumption Value (2019-2030) & (USD Million)

Figure 29. Asia-Pacific Power Module Packaging Consumption Value (2019-2030) & (USD Million)

Figure 30. South America Power Module Packaging Consumption Value (2019-2030) & (USD Million)

Figure 31. Middle East & Africa Power Module Packaging Consumption Value (2019-2030) & (USD Million)

Figure 32. Global Power Module Packaging Sales Quantity Market Share by Type (2019-2030)

Figure 33. Global Power Module Packaging Consumption Value Market Share by Type (2019-2030)

Figure 34. Global Power Module Packaging Average Price by Type (2019-2030) & (USD/Unit)

Figure 35. Global Power Module Packaging Sales Quantity Market Share by Application (2019-2030)

Figure 36. Global Power Module Packaging Consumption Value Market Share by Application (2019-2030)

Figure 37. Global Power Module Packaging Average Price by Application (2019-2030) & (USD/Unit)

Figure 38. North America Power Module Packaging Sales Quantity Market Share by Type (2019-2030)

Figure 39. North America Power Module Packaging Sales Quantity Market Share by Application (2019-2030)

Figure 40. North America Power Module Packaging Sales Quantity Market Share by Country (2019-2030)

Figure 41. North America Power Module Packaging Consumption Value Market Share by Country (2019-2030)

Figure 42. United States Power Module Packaging Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 43. Canada Power Module Packaging Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 44. Mexico Power Module Packaging Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 45. Europe Power Module Packaging Sales Quantity Market Share by Type (2019-2030)

Figure 46. Europe Power Module Packaging Sales Quantity Market Share by Application (2019-2030)

Figure 47. Europe Power Module Packaging Sales Quantity Market Share by Country (2019-2030)

Figure 48. Europe Power Module Packaging Consumption Value Market Share by Country (2019-2030)

Figure 49. Germany Power Module Packaging Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 50. France Power Module Packaging Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 51. United Kingdom Power Module Packaging Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 52. Russia Power Module Packaging Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 53. Italy Power Module Packaging Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 54. Asia-Pacific Power Module Packaging Sales Quantity Market Share by Type (2019-2030)

Figure 55. Asia-Pacific Power Module Packaging Sales Quantity Market Share by Application (2019-2030)

Figure 56. Asia-Pacific Power Module Packaging Sales Quantity Market Share by Region (2019-2030)

Figure 57. Asia-Pacific Power Module Packaging Consumption Value Market Share by Region (2019-2030)

Figure 58. China Power Module Packaging Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 59. Japan Power Module Packaging Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 60. Korea Power Module Packaging Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 61. India Power Module Packaging Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 62. Southeast Asia Power Module Packaging Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 63. Australia Power Module Packaging Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 64. South America Power Module Packaging Sales Quantity Market Share by Type (2019-2030)

Figure 65. South America Power Module Packaging Sales Quantity Market Share by Application (2019-2030)

Figure 66. South America Power Module Packaging Sales Quantity Market Share by Country (2019-2030)

Figure 67. South America Power Module Packaging Consumption Value Market Share by Country (2019-2030)

Figure 68. Brazil Power Module Packaging Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 69. Argentina Power Module Packaging Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 70. Middle East & Africa Power Module Packaging Sales Quantity Market Share by Type (2019-2030)

Figure 71. Middle East & Africa Power Module Packaging Sales Quantity Market Share by Application (2019-2030)

Figure 72. Middle East & Africa Power Module Packaging Sales Quantity Market Share by Region (2019-2030)

Figure 73. Middle East & Africa Power Module Packaging Consumption Value Market Share by Region (2019-2030)

Figure 74. Turkey Power Module Packaging Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 75. Egypt Power Module Packaging Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 76. Saudi Arabia Power Module Packaging Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 77. South Africa Power Module Packaging Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 78. Power Module Packaging Market Drivers

Figure 79. Power Module Packaging Market Restraints

Figure 80. Power Module Packaging Market Trends

Figure 81. Porters Five Forces Analysis

Figure 82. Manufacturing Cost Structure Analysis of Power Module Packaging in 2023

Figure 83. Manufacturing Process Analysis of Power Module Packaging

Figure 84. Power Module Packaging Industrial Chain

Figure 85. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 86. Direct Channel Pros & Cons

Figure 87. Indirect Channel Pros & Cons

Figure 88. Methodology

Figure 89. Research Process and Data Source

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