

Global High Voltage Super Junction MOSFET Market Growth 2025-2031

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Abstracts

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The global High Voltage Super Junction MOSFET market size is predicted to grow from US\$ 1519 million in 2025 to US\$ 2234 million in 2031; it is expected to grow at a CAGR of 6.6% from 2025 to 2031.

Super-junction MOSFETs are a key innovation in high-voltage MOSFET technology. They offer better features such as reduced gate capacitance, reduced on-resistance of the circuit [RDS(on)], and lower output charge with reduced die size.

Global High Voltage Super Junction MOSFET key players include Infineon, STMicroelectronics, Vishay, ROHM, etc. Global top four manufacturers hold a share over 60%.

China is the largest market, with a share about 40%, followed by Europe, and South Korea, both have a share about 25 percent.

In terms of product, 500V to 600V is the largest segment, with a share over 70%. And in terms of application, the largest application is Power Supply Application, followed by Consumer Electronics, Industrial Application, Lighting Application, etc.

LP Information, Inc. (LPI) ' newest research report, the "High Voltage Super Junction MOSFET Industry Forecast" looks at past sales and reviews total world High Voltage Super Junction MOSFET sales in 2024, providing a comprehensive analysis by region and market sector of projected High Voltage Super Junction MOSFET sales for 2025 through 2031. With High Voltage Super Junction MOSFET sales broken down by

region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world High Voltage Super Junction MOSFET industry.

This Insight Report provides a comprehensive analysis of the global High Voltage Super Junction MOSFET landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on High Voltage Super Junction MOSFET portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global High Voltage Super Junction MOSFET market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for High Voltage Super Junction MOSFET and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global High Voltage Super Junction MOSFET.

This report presents a comprehensive overview, market shares, and growth opportunities of High Voltage Super Junction MOSFET market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Below 500V

500V to 600V

Above 600V

Segmentation by Application:

Power Supply Application

Industrial Application

Lighting Application

Consumer Electronics

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Infineon

STMicroelectronics

Vishay

ON Semiconductor

Toshiba

Alpha & Omega

Fuji Electric

MagnaChip

Silan

ROHM

IceMOS Technology

DACO

WUXI NCE POWER

CYG Wayon

Semipower

Key Questions Addressed in this Report

What is the 10-year outlook for the global High Voltage Super Junction MOSFET market?

What factors are driving High Voltage Super Junction MOSFET market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do High Voltage Super Junction MOSFET market opportunities vary by end market size?

How does High Voltage Super Junction MOSFET break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global High Voltage Super Junction MOSFET Annual Sales 2020-2031
 - 2.1.2 World Current & Future Analysis for High Voltage Super Junction MOSFET by Geographic Region, 2020, 2024 & 2031
 - 2.1.3 World Current & Future Analysis for High Voltage Super Junction MOSFET by Country/Region, 2020, 2024 & 2031
- 2.2 High Voltage Super Junction MOSFET Segment by Type
 - 2.2.1 Below 500V
 - 2.2.2 500V to 600V
 - 2.2.3 Above 600V
- 2.3 High Voltage Super Junction MOSFET Sales by Type
 - 2.3.1 Global High Voltage Super Junction MOSFET Sales Market Share by Type (2020-2025)
 - 2.3.2 Global High Voltage Super Junction MOSFET Revenue and Market Share by Type (2020-2025)
 - 2.3.3 Global High Voltage Super Junction MOSFET Sale Price by Type (2020-2025)
- 2.4 High Voltage Super Junction MOSFET Segment by Application
 - 2.4.1 Power Supply Application
 - 2.4.2 Industrial Application
 - 2.4.3 Lighting Application
 - 2.4.4 Consumer Electronics
 - 2.4.5 Others
- 2.5 High Voltage Super Junction MOSFET Sales by Application
 - 2.5.1 Global High Voltage Super Junction MOSFET Sale Market Share by Application

(2020-2025)

2.5.2 Global High Voltage Super Junction MOSFET Revenue and Market Share by Application (2020-2025)

2.5.3 Global High Voltage Super Junction MOSFET Sale Price by Application (2020-2025)

3 GLOBAL BY COMPANY

3.1 Global High Voltage Super Junction MOSFET Breakdown Data by Company

3.1.1 Global High Voltage Super Junction MOSFET Annual Sales by Company (2020-2025)

3.1.2 Global High Voltage Super Junction MOSFET Sales Market Share by Company (2020-2025)

3.2 Global High Voltage Super Junction MOSFET Annual Revenue by Company (2020-2025)

3.2.1 Global High Voltage Super Junction MOSFET Revenue by Company (2020-2025)

3.2.2 Global High Voltage Super Junction MOSFET Revenue Market Share by Company (2020-2025)

3.3 Global High Voltage Super Junction MOSFET Sale Price by Company

3.4 Key Manufacturers High Voltage Super Junction MOSFET Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers High Voltage Super Junction MOSFET Product Location Distribution

3.4.2 Players High Voltage Super Junction MOSFET Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR HIGH VOLTAGE SUPER JUNCTION MOSFET BY GEOGRAPHIC REGION

4.1 World Historic High Voltage Super Junction MOSFET Market Size by Geographic Region (2020-2025)

4.1.1 Global High Voltage Super Junction MOSFET Annual Sales by Geographic Region (2020-2025)

4.1.2 Global High Voltage Super Junction MOSFET Annual Revenue by Geographic

Region (2020-2025)

4.2 World Historic High Voltage Super Junction MOSFET Market Size by Country/Region (2020-2025)

4.2.1 Global High Voltage Super Junction MOSFET Annual Sales by Country/Region (2020-2025)

4.2.2 Global High Voltage Super Junction MOSFET Annual Revenue by Country/Region (2020-2025)

4.3 Americas High Voltage Super Junction MOSFET Sales Growth

4.4 APAC High Voltage Super Junction MOSFET Sales Growth

4.5 Europe High Voltage Super Junction MOSFET Sales Growth

4.6 Middle East & Africa High Voltage Super Junction MOSFET Sales Growth

5 AMERICAS

5.1 Americas High Voltage Super Junction MOSFET Sales by Country

5.1.1 Americas High Voltage Super Junction MOSFET Sales by Country (2020-2025)

5.1.2 Americas High Voltage Super Junction MOSFET Revenue by Country (2020-2025)

5.2 Americas High Voltage Super Junction MOSFET Sales by Type (2020-2025)

5.3 Americas High Voltage Super Junction MOSFET Sales by Application (2020-2025)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC High Voltage Super Junction MOSFET Sales by Region

6.1.1 APAC High Voltage Super Junction MOSFET Sales by Region (2020-2025)

6.1.2 APAC High Voltage Super Junction MOSFET Revenue by Region (2020-2025)

6.2 APAC High Voltage Super Junction MOSFET Sales by Type (2020-2025)

6.3 APAC High Voltage Super Junction MOSFET Sales by Application (2020-2025)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe High Voltage Super Junction MOSFET by Country

7.1.1 Europe High Voltage Super Junction MOSFET Sales by Country (2020-2025)

7.1.2 Europe High Voltage Super Junction MOSFET Revenue by Country (2020-2025)

7.2 Europe High Voltage Super Junction MOSFET Sales by Type (2020-2025)

7.3 Europe High Voltage Super Junction MOSFET Sales by Application (2020-2025)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa High Voltage Super Junction MOSFET by Country

8.1.1 Middle East & Africa High Voltage Super Junction MOSFET Sales by Country (2020-2025)

8.1.2 Middle East & Africa High Voltage Super Junction MOSFET Revenue by Country (2020-2025)

8.2 Middle East & Africa High Voltage Super Junction MOSFET Sales by Type (2020-2025)

8.3 Middle East & Africa High Voltage Super Junction MOSFET Sales by Application (2020-2025)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of High Voltage Super Junction MOSFET

10.3 Manufacturing Process Analysis of High Voltage Super Junction MOSFET

10.4 Industry Chain Structure of High Voltage Super Junction MOSFET

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 High Voltage Super Junction MOSFET Distributors

11.3 High Voltage Super Junction MOSFET Customer

12 WORLD FORECAST REVIEW FOR HIGH VOLTAGE SUPER JUNCTION MOSFET BY GEOGRAPHIC REGION

12.1 Global High Voltage Super Junction MOSFET Market Size Forecast by Region

12.1.1 Global High Voltage Super Junction MOSFET Forecast by Region (2026-2031)

12.1.2 Global High Voltage Super Junction MOSFET Annual Revenue Forecast by Region (2026-2031)

12.2 Americas Forecast by Country (2026-2031)

12.3 APAC Forecast by Region (2026-2031)

12.4 Europe Forecast by Country (2026-2031)

12.5 Middle East & Africa Forecast by Country (2026-2031)

12.6 Global High Voltage Super Junction MOSFET Forecast by Type (2026-2031)

12.7 Global High Voltage Super Junction MOSFET Forecast by Application (2026-2031)

13 KEY PLAYERS ANALYSIS

13.1 Infineon

13.1.1 Infineon Company Information

13.1.2 Infineon High Voltage Super Junction MOSFET Product Portfolios and Specifications

13.1.3 Infineon High Voltage Super Junction MOSFET Sales, Revenue, Price and Gross Margin (2020-2025)

13.1.4 Infineon Main Business Overview

13.1.5 Infineon Latest Developments

13.2 STMicroelectronics

13.2.1 STMicroelectronics Company Information

13.2.2 STMicroelectronics High Voltage Super Junction MOSFET Product Portfolios and Specifications

13.2.3 STMicroelectronics High Voltage Super Junction MOSFET Sales, Revenue, Price and Gross Margin (2020-2025)

13.2.4 STMicroelectronics Main Business Overview

13.2.5 STMicroelectronics Latest Developments

13.3 Vishay

13.3.1 Vishay Company Information

13.3.2 Vishay High Voltage Super Junction MOSFET Product Portfolios and Specifications

13.3.3 Vishay High Voltage Super Junction MOSFET Sales, Revenue, Price and Gross Margin (2020-2025)

13.3.4 Vishay Main Business Overview

13.3.5 Vishay Latest Developments

13.4 ON Semiconductor

13.4.1 ON Semiconductor Company Information

13.4.2 ON Semiconductor High Voltage Super Junction MOSFET Product Portfolios and Specifications

13.4.3 ON Semiconductor High Voltage Super Junction MOSFET Sales, Revenue, Price and Gross Margin (2020-2025)

13.4.4 ON Semiconductor Main Business Overview

13.4.5 ON Semiconductor Latest Developments

13.5 Toshiba

13.5.1 Toshiba Company Information

13.5.2 Toshiba High Voltage Super Junction MOSFET Product Portfolios and Specifications

13.5.3 Toshiba High Voltage Super Junction MOSFET Sales, Revenue, Price and Gross Margin (2020-2025)

13.5.4 Toshiba Main Business Overview

13.5.5 Toshiba Latest Developments

13.6 Alpha & Omega

13.6.1 Alpha & Omega Company Information

13.6.2 Alpha & Omega High Voltage Super Junction MOSFET Product Portfolios and Specifications

13.6.3 Alpha & Omega High Voltage Super Junction MOSFET Sales, Revenue, Price and Gross Margin (2020-2025)

13.6.4 Alpha & Omega Main Business Overview

13.6.5 Alpha & Omega Latest Developments

13.7 Fuji Electric

- 13.7.1 Fuji Electric Company Information
- 13.7.2 Fuji Electric High Voltage Super Junction MOSFET Product Portfolios and Specifications
- 13.7.3 Fuji Electric High Voltage Super Junction MOSFET Sales, Revenue, Price and Gross Margin (2020-2025)
- 13.7.4 Fuji Electric Main Business Overview
- 13.7.5 Fuji Electric Latest Developments
- 13.8 MagnaChip
 - 13.8.1 MagnaChip Company Information
 - 13.8.2 MagnaChip High Voltage Super Junction MOSFET Product Portfolios and Specifications
 - 13.8.3 MagnaChip High Voltage Super Junction MOSFET Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.8.4 MagnaChip Main Business Overview
 - 13.8.5 MagnaChip Latest Developments
- 13.9 Silan
 - 13.9.1 Silan Company Information
 - 13.9.2 Silan High Voltage Super Junction MOSFET Product Portfolios and Specifications
 - 13.9.3 Silan High Voltage Super Junction MOSFET Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.9.4 Silan Main Business Overview
 - 13.9.5 Silan Latest Developments
- 13.10 ROHM
 - 13.10.1 ROHM Company Information
 - 13.10.2 ROHM High Voltage Super Junction MOSFET Product Portfolios and Specifications
 - 13.10.3 ROHM High Voltage Super Junction MOSFET Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.10.4 ROHM Main Business Overview
 - 13.10.5 ROHM Latest Developments
- 13.11 IceMOS Technology
 - 13.11.1 IceMOS Technology Company Information
 - 13.11.2 IceMOS Technology High Voltage Super Junction MOSFET Product Portfolios and Specifications
 - 13.11.3 IceMOS Technology High Voltage Super Junction MOSFET Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.11.4 IceMOS Technology Main Business Overview
 - 13.11.5 IceMOS Technology Latest Developments

13.12 DACO

13.12.1 DACO Company Information

13.12.2 DACO High Voltage Super Junction MOSFET Product Portfolios and Specifications

13.12.3 DACO High Voltage Super Junction MOSFET Sales, Revenue, Price and Gross Margin (2020-2025)

13.12.4 DACO Main Business Overview

13.12.5 DACO Latest Developments

13.13 WUXI NCE POWER

13.13.1 WUXI NCE POWER Company Information

13.13.2 WUXI NCE POWER High Voltage Super Junction MOSFET Product Portfolios and Specifications

13.13.3 WUXI NCE POWER High Voltage Super Junction MOSFET Sales, Revenue, Price and Gross Margin (2020-2025)

13.13.4 WUXI NCE POWER Main Business Overview

13.13.5 WUXI NCE POWER Latest Developments

13.14 CYG Wayon

13.14.1 CYG Wayon Company Information

13.14.2 CYG Wayon High Voltage Super Junction MOSFET Product Portfolios and Specifications

13.14.3 CYG Wayon High Voltage Super Junction MOSFET Sales, Revenue, Price and Gross Margin (2020-2025)

13.14.4 CYG Wayon Main Business Overview

13.14.5 CYG Wayon Latest Developments

13.15 Semipower

13.15.1 Semipower Company Information

13.15.2 Semipower High Voltage Super Junction MOSFET Product Portfolios and Specifications

13.15.3 Semipower High Voltage Super Junction MOSFET Sales, Revenue, Price and Gross Margin (2020-2025)

13.15.4 Semipower Main Business Overview

13.15.5 Semipower Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

LIST OF TABLES

Table 1. High Voltage Super Junction MOSFET Annual Sales CAGR by Geographic

Region (2020, 2024 & 2031) & (\$ millions)

Table 2. High Voltage Super Junction MOSFET Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & (\$ millions)

Table 3. Major Players of Below 500V

Table 4. Major Players of 500V to 600V

Table 5. Major Players of Above 600V

Table 6. Global High Voltage Super Junction MOSFET Sales byType (2020-2025) & (M Units)

Table 7. Global High Voltage Super Junction MOSFET Sales Market Share byType (2020-2025)

Table 8. Global High Voltage Super Junction MOSFET Revenue byType (2020-2025) & (\$ million)

Table 9. Global High Voltage Super Junction MOSFET Revenue Market Share byType (2020-2025)

Table 10. Global High Voltage Super Junction MOSFET Sale Price byType (2020-2025) & (USD/Unit)

Table 11. Global High Voltage Super Junction MOSFET Sale by Application (2020-2025) & (M Units)

Table 12. Global High Voltage Super Junction MOSFET Sale Market Share by Application (2020-2025)

Table 13. Global High Voltage Super Junction MOSFET Revenue by Application (2020-2025) & (\$ million)

Table 14. Global High Voltage Super Junction MOSFET Revenue Market Share by Application (2020-2025)

Table 15. Global High Voltage Super Junction MOSFET Sale Price by Application (2020-2025) & (USD/Unit)

Table 16. Global High Voltage Super Junction MOSFET Sales by Company (2020-2025) & (M Units)

Table 17. Global High Voltage Super Junction MOSFET Sales Market Share by Company (2020-2025)

Table 18. Global High Voltage Super Junction MOSFET Revenue by Company (2020-2025) & (\$ millions)

Table 19. Global High Voltage Super Junction MOSFET Revenue Market Share by Company (2020-2025)

Table 20. Global High Voltage Super Junction MOSFET Sale Price by Company (2020-2025) & (USD/Unit)

Table 21. Key Manufacturers High Voltage Super Junction MOSFET Producing Area Distribution and Sales Area

Table 22. Players High Voltage Super Junction MOSFET Products Offered

Table 23. High Voltage Super Junction MOSFET Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

Table 24. New Products and Potential Entrants

Table 25. Market M&A Activity & Strategy

Table 26. Global High Voltage Super Junction MOSFET Sales by Geographic Region (2020-2025) & (M Units)

Table 27. Global High Voltage Super Junction MOSFET Sales Market Share Geographic Region (2020-2025)

Table 28. Global High Voltage Super Junction MOSFET Revenue by Geographic Region (2020-2025) & (\$ millions)

Table 29. Global High Voltage Super Junction MOSFET Revenue Market Share by Geographic Region (2020-2025)

Table 30. Global High Voltage Super Junction MOSFET Sales by Country/Region (2020-2025) & (M Units)

Table 31. Global High Voltage Super Junction MOSFET Sales Market Share by Country/Region (2020-2025)

Table 32. Global High Voltage Super Junction MOSFET Revenue by Country/Region (2020-2025) & (\$ millions)

Table 33. Global High Voltage Super Junction MOSFET Revenue Market Share by Country/Region (2020-2025)

Table 34. Americas High Voltage Super Junction MOSFET Sales by Country (2020-2025) & (M Units)

Table 35. Americas High Voltage Super Junction MOSFET Sales Market Share by Country (2020-2025)

Table 36. Americas High Voltage Super Junction MOSFET Revenue by Country (2020-2025) & (\$ millions)

Table 37. Americas High Voltage Super Junction MOSFET Sales byType (2020-2025) & (M Units)

Table 38. Americas High Voltage Super Junction MOSFET Sales by Application (2020-2025) & (M Units)

Table 39. APAC High Voltage Super Junction MOSFET Sales by Region (2020-2025) & (M Units)

Table 40. APAC High Voltage Super Junction MOSFET Sales Market Share by Region (2020-2025)

Table 41. APAC High Voltage Super Junction MOSFET Revenue by Region (2020-2025) & (\$ millions)

Table 42. APAC High Voltage Super Junction MOSFET Sales byType (2020-2025) & (M Units)

Table 43. APAC High Voltage Super Junction MOSFET Sales by Application

(2020-2025) & (M Units)

Table 44. Europe High Voltage Super Junction MOSFET Sales by Country (2020-2025) & (M Units)

Table 45. Europe High Voltage Super Junction MOSFET Revenue by Country (2020-2025) & (\$ millions)

Table 46. Europe High Voltage Super Junction MOSFET Sales byType (2020-2025) & (M Units)

Table 47. Europe High Voltage Super Junction MOSFET Sales by Application (2020-2025) & (M Units)

Table 48. Middle East & Africa High Voltage Super Junction MOSFET Sales by Country (2020-2025) & (M Units)

Table 49. Middle East & Africa High Voltage Super Junction MOSFET Revenue Market Share by Country (2020-2025)

Table 50. Middle East & Africa High Voltage Super Junction MOSFET Sales byType (2020-2025) & (M Units)

Table 51. Middle East & Africa High Voltage Super Junction MOSFET Sales by Application (2020-2025) & (M Units)

Table 52. Key Market Drivers & Growth Opportunities of High Voltage Super Junction MOSFET

Table 53. Key Market Challenges & Risks of High Voltage Super Junction MOSFET

Table 54. Key IndustryTrends of High Voltage Super Junction MOSFET

Table 55. High Voltage Super Junction MOSFET Raw Material

Table 56. Key Suppliers of Raw Materials

Table 57. High Voltage Super Junction MOSFET Distributors List

Table 58. High Voltage Super Junction MOSFET Customer List

Table 59. Global High Voltage Super Junction MOSFET SalesForecast by Region (2026-2031) & (M Units)

Table 60. Global High Voltage Super Junction MOSFET RevenueForecast by Region (2026-2031) & (\$ millions)

Table 61. Americas High Voltage Super Junction MOSFET SalesForecast by Country (2026-2031) & (M Units)

Table 62. Americas High Voltage Super Junction MOSFET Annual RevenueForecast by Country (2026-2031) & (\$ millions)

Table 63. APAC High Voltage Super Junction MOSFET SalesForecast by Region (2026-2031) & (M Units)

Table 64. APAC High Voltage Super Junction MOSFET Annual RevenueForecast by Region (2026-2031) & (\$ millions)

Table 65. Europe High Voltage Super Junction MOSFET SalesForecast by Country (2026-2031) & (M Units)

Table 66. Europe High Voltage Super Junction MOSFET RevenueForecast by Country (2026-2031) & (\$ millions)
Table 67. Middle East & Africa High Voltage Super Junction MOSFET SalesForecast by Country (2026-2031) & (M Units)
Table 68. Middle East & Africa High Voltage Super Junction MOSFET RevenueForecast by Country (2026-2031) & (\$ millions)
Table 69. Global High Voltage Super Junction MOSFET SalesForecast byType (2026-2031) & (M Units)
Table 70. Global High Voltage Super Junction MOSFET RevenueForecast byType (2026-2031) & (\$ millions)
Table 71. Global High Voltage Super Junction MOSFET SalesForecast by Application (2026-2031) & (M Units)
Table 72. Global High Voltage Super Junction MOSFET RevenueForecast by Application (2026-2031) & (\$ millions)
Table 73. Infineon Basic Information, High Voltage Super Junction MOSFET Manufacturing Base, Sales Area and Its Competitors
Table 74. Infineon High Voltage Super Junction MOSFET Product Portfolios and Specifications
Table 75. Infineon High Voltage Super Junction MOSFET Sales (M Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
Table 76. Infineon Main Business
Table 77. Infineon Latest Developments
Table 78. STMicroelectronics Basic Information, High Voltage Super Junction MOSFET Manufacturing Base, Sales Area and Its Competitors
Table 79. STMicroelectronics High Voltage Super Junction MOSFET Product Portfolios and Specifications
Table 80. STMicroelectronics High Voltage Super Junction MOSFET Sales (M Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
Table 81. STMicroelectronics Main Business
Table 82. STMicroelectronics Latest Developments
Table 83. Vishay Basic Information, High Voltage Super Junction MOSFET Manufacturing Base, Sales Area and Its Competitors
Table 84. Vishay High Voltage Super Junction MOSFET Product Portfolios and Specifications
Table 85. Vishay High Voltage Super Junction MOSFET Sales (M Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
Table 86. Vishay Main Business
Table 87. Vishay Latest Developments
Table 88. ON Semiconductor Basic Information, High Voltage Super Junction MOSFET

Manufacturing Base, Sales Area and Its Competitors

Table 89. ON Semiconductor High Voltage Super Junction MOSFET Product Portfolios and Specifications

Table 90. ON Semiconductor High Voltage Super Junction MOSFET Sales (M Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 91. ON Semiconductor Main Business

Table 92. ON Semiconductor Latest Developments

Table 93. Toshiba Basic Information, High Voltage Super Junction MOSFET Manufacturing Base, Sales Area and Its Competitors

Table 94. Toshiba High Voltage Super Junction MOSFET Product Portfolios and Specifications

Table 95. Toshiba High Voltage Super Junction MOSFET Sales (M Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 96. Toshiba Main Business

Table 97. Toshiba Latest Developments

Table 98. Alpha & Omega Basic Information, High Voltage Super Junction MOSFET Manufacturing Base, Sales Area and Its Competitors

Table 99. Alpha & Omega High Voltage Super Junction MOSFET Product Portfolios and Specifications

Table 100. Alpha & Omega High Voltage Super Junction MOSFET Sales (M Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 101. Alpha & Omega Main Business

Table 102. Alpha & Omega Latest Developments

Table 103. Fuji Electric Basic Information, High Voltage Super Junction MOSFET Manufacturing Base, Sales Area and Its Competitors

Table 104. Fuji Electric High Voltage Super Junction MOSFET Product Portfolios and Specifications

Table 105. Fuji Electric High Voltage Super Junction MOSFET Sales (M Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 106. Fuji Electric Main Business

Table 107. Fuji Electric Latest Developments

Table 108. MagnaChip Basic Information, High Voltage Super Junction MOSFET Manufacturing Base, Sales Area and Its Competitors

Table 109. MagnaChip High Voltage Super Junction MOSFET Product Portfolios and Specifications

Table 110. MagnaChip High Voltage Super Junction MOSFET Sales (M Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 111. MagnaChip Main Business

Table 112. MagnaChip Latest Developments

Table 113. Silan Basic Information, High Voltage Super Junction MOSFET Manufacturing Base, Sales Area and Its Competitors

Table 114. Silan High Voltage Super Junction MOSFET Product Portfolios and Specifications

Table 115. Silan High Voltage Super Junction MOSFET Sales (M Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 116. Silan Main Business

Table 117. Silan Latest Developments

Table 118. ROHM Basic Information, High Voltage Super Junction MOSFET Manufacturing Base, Sales Area and Its Competitors

Table 119. ROHM High Voltage Super Junction MOSFET Product Portfolios and Specifications

Table 120. ROHM High Voltage Super Junction MOSFET Sales (M Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 121. ROHM Main Business

Table 122. ROHM Latest Developments

Table 123. IceMOSTechnology Basic Information, High Voltage Super Junction MOSFET Manufacturing Base, Sales Area and Its Competitors

Table 124. IceMOSTechnology High Voltage Super Junction MOSFET Product Portfolios and Specifications

Table 125. IceMOSTechnology High Voltage Super Junction MOSFET Sales (M Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 126. IceMOSTechnology Main Business

Table 127. IceMOSTechnology Latest Developments

Table 128. DACO Basic Information, High Voltage Super Junction MOSFET Manufacturing Base, Sales Area and Its Competitors

Table 129. DACO High Voltage Super Junction MOSFET Product Portfolios and Specifications

Table 130. DACO High Voltage Super Junction MOSFET Sales (M Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 131. DACO Main Business

Table 132. DACO Latest Developments

Table 133. WUXI NCE POWER Basic Information, High Voltage Super Junction MOSFET Manufacturing Base, Sales Area and Its Competitors

Table 134. WUXI NCE POWER High Voltage Super Junction MOSFET Product Portfolios and Specifications

Table 135. WUXI NCE POWER High Voltage Super Junction MOSFET Sales (M Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 136. WUXI NCE POWER Main Business

Table 137. WUXI NCE POWER Latest Developments
Table 138. CYG Wayon Basic Information, High Voltage Super Junction MOSFET Manufacturing Base, Sales Area and Its Competitors
Table 139. CYG Wayon High Voltage Super Junction MOSFET Product Portfolios and Specifications
Table 140. CYG Wayon High Voltage Super Junction MOSFET Sales (M Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
Table 141. CYG Wayon Main Business
Table 142. CYG Wayon Latest Developments
Table 143. Semipower Basic Information, High Voltage Super Junction MOSFET Manufacturing Base, Sales Area and Its Competitors
Table 144. Semipower High Voltage Super Junction MOSFET Product Portfolios and Specifications
Table 145. Semipower High Voltage Super Junction MOSFET Sales (M Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
Table 146. Semipower Main Business
Table 147. Semipower Latest Developments

LIST OFFIGURES

Figure 1. Picture of High Voltage Super Junction MOSFET
Figure 2. High Voltage Super Junction MOSFET Report Years Considered
Figure 3. Research Objectives
Figure 4. Research Methodology
Figure 5. Research Process and Data Source
Figure 6. Global High Voltage Super Junction MOSFET Sales Growth Rate 2020-2031 (M Units)
Figure 7. Global High Voltage Super Junction MOSFET Revenue Growth Rate 2020-2031 (\$ millions)
Figure 8. High Voltage Super Junction MOSFET Sales by Geographic Region (2020, 2024 & 2031) & (\$ millions)
Figure 9. High Voltage Super Junction MOSFET Sales Market Share by Country/Region (2024)
Figure 10. High Voltage Super Junction MOSFET Sales Market Share by Country/Region (2020, 2024 & 2031)
Figure 11. Product Picture of Below 500V
Figure 12. Product Picture of 500V to 600V

Figure 13. Product Picture of Above 600V

Figure 14. Global High Voltage Super Junction MOSFET Sales Market Share byType in 2025

Figure 15. Global High Voltage Super Junction MOSFET Revenue Market Share byType (2020-2025)

Figure 16. High Voltage Super Junction MOSFET Consumed in Power Supply Application

Figure 17. Global High Voltage Super Junction MOSFET Market: Power Supply Application (2020-2025) & (M Units)

Figure 18. High Voltage Super Junction MOSFET Consumed in Industrial Application

Figure 19. Global High Voltage Super Junction MOSFET Market: Industrial Application (2020-2025) & (M Units)

Figure 20. High Voltage Super Junction MOSFET Consumed in Lighting Application

Figure 21. Global High Voltage Super Junction MOSFET Market: Lighting Application (2020-2025) & (M Units)

Figure 22. High Voltage Super Junction MOSFET Consumed in Consumer Electronics

Figure 23. Global High Voltage Super Junction MOSFET Market: Consumer Electronics (2020-2025) & (M Units)

Figure 24. High Voltage Super Junction MOSFET Consumed in Others

Figure 25. Global High Voltage Super Junction MOSFET Market: Others (2020-2025) & (M Units)

Figure 26. Global High Voltage Super Junction MOSFET Sale Market Share by Application (2024)

Figure 27. Global High Voltage Super Junction MOSFET Revenue Market Share by Application in 2025

Figure 28. High Voltage Super Junction MOSFET Sales by Company in 2025 (M Units)

Figure 29. Global High Voltage Super Junction MOSFET Sales Market Share by Company in 2025

Figure 30. High Voltage Super Junction MOSFET Revenue by Company in 2025 (\$ millions)

Figure 31. Global High Voltage Super Junction MOSFET Revenue Market Share by Company in 2025

Figure 32. Global High Voltage Super Junction MOSFET Sales Market Share by Geographic Region (2020-2025)

Figure 33. Global High Voltage Super Junction MOSFET Revenue Market Share by Geographic Region in 2025

Figure 34. Americas High Voltage Super Junction MOSFET Sales 2020-2025 (M Units)

Figure 35. Americas High Voltage Super Junction MOSFET Revenue 2020-2025 (\$ millions)

Figure 36. APAC High Voltage Super Junction MOSFET Sales 2020-2025 (M Units)

Figure 37. APAC High Voltage Super Junction MOSFET Revenue 2020-2025 (\$ millions)

Figure 38. Europe High Voltage Super Junction MOSFET Sales 2020-2025 (M Units)

Figure 39. Europe High Voltage Super Junction MOSFET Revenue 2020-2025 (\$ millions)

Figure 40. Middle East & Africa High Voltage Super Junction MOSFET Sales 2020-2025 (M Units)

Figure 41. Middle East & Africa High Voltage Super Junction MOSFET Revenue 2020-2025 (\$ millions)

Figure 42. Americas High Voltage Super Junction MOSFET Sales Market Share by Country in 2025

Figure 43. Americas High Voltage Super Junction MOSFET Revenue Market Share by Country (2020-2025)

Figure 44. Americas High Voltage Super Junction MOSFET Sales Market Share by Type (2020-2025)

Figure 45. Americas High Voltage Super Junction MOSFET Sales Market Share by Application (2020-2025)

Figure 46. United States High Voltage Super Junction MOSFET Revenue Growth 2020-2025 (\$ millions)

Figure 47. Canada High Voltage Super Junction MOSFET Revenue Growth 2020-2025 (\$ millions)

Figure 48. Mexico High Voltage Super Junction MOSFET Revenue Growth 2020-2025 (\$ millions)

Figure 49. Brazil High Voltage Super Junction MOSFET Revenue Growth 2020-2025 (\$ millions)

Figure 50. APAC High Voltage Super Junction MOSFET Sales Market Share by Region in 2025

Figure 51. APAC High Voltage Super Junction MOSFET Revenue Market Share by Region (2020-2025)

Figure 52. APAC High Voltage Super Junction MOSFET Sales Market Share by Type (2020-2025)

Figure 53. APAC High Voltage Super Junction MOSFET Sales Market Share by Application (2020-2025)

Figure 54. China High Voltage Super Junction MOSFET Revenue Growth 2020-2025 (\$ millions)

Figure 55. Japan High Voltage Super Junction MOSFET Revenue Growth 2020-2025 (\$ millions)

Figure 56. South Korea High Voltage Super Junction MOSFET Revenue Growth

2020-2025 (\$ millions)

Figure 57. Southeast Asia High Voltage Super Junction MOSFET Revenue Growth

2020-2025 (\$ millions)

Figure 58. India High Voltage Super Junction MOSFET Revenue Growth 2020-2025 (\$ millions)

Figure 59. Australia High Voltage Super Junction MOSFET Revenue Growth 2020-2025 (\$ millions)

Figure 60. ChinaTaiwan High Voltage Super Junction MOSFET Revenue Growth 2020-2025 (\$ millions)

Figure 61. Europe High Voltage Super Junction MOSFET Sales Market Share by Country in 2025

Figure 62. Europe High Voltage Super Junction MOSFET Revenue Market Share by Country (2020-2025)

Figure 63. Europe High Voltage Super Junction MOSFET Sales Market Share byType (2020-2025)

Figure 64. Europe High Voltage Super Junction MOSFET Sales Market Share by Application (2020-2025)

Figure 65. Germany High Voltage Super Junction MOSFET Revenue Growth 2020-2025 (\$ millions)

Figure 66. France High Voltage Super Junction MOSFET Revenue Growth 2020-2025 (\$ millions)

Figure 67. UK High Voltage Super Junction MOSFET Revenue Growth 2020-2025 (\$ millions)

Figure 68. Italy High Voltage Super Junction MOSFET Revenue Growth 2020-2025 (\$ millions)

Figure 69. Russia High Voltage Super Junction MOSFET Revenue Growth 2020-2025 (\$ millions)

Figure 70. Middle East & Africa High Voltage Super Junction MOSFET Sales Market Share by Country (2020-2025)

Figure 71. Middle East & Africa High Voltage Super Junction MOSFET Sales Market Share byType (2020-2025)

Figure 72. Middle East & Africa High Voltage Super Junction MOSFET Sales Market Share by Application (2020-2025)

Figure 73. Egypt High Voltage Super Junction MOSFET Revenue Growth 2020-2025 (\$ millions)

Figure 74. South Africa High Voltage Super Junction MOSFET Revenue Growth 2020-2025 (\$ millions)

Figure 75. Israel High Voltage Super Junction MOSFET Revenue Growth 2020-2025 (\$ millions)

Figure 76. Turkey High Voltage Super Junction MOSFET Revenue Growth 2020-2025 (\$ millions)

Figure 77. GCC Countries High Voltage Super Junction MOSFET Revenue Growth 2020-2025 (\$ millions)

Figure 78. Manufacturing Cost Structure Analysis of High Voltage Super Junction MOSFET in 2025

Figure 79. Manufacturing Process Analysis of High Voltage Super Junction MOSFET

Figure 80. Industry Chain Structure of High Voltage Super Junction MOSFET

Figure 81. Channels of Distribution

Figure 82. Global High Voltage Super Junction MOSFET Sales MarketForecast by Region (2026-2031)

Figure 83. Global High Voltage Super Junction MOSFET Revenue Market ShareForecast by Region (2026-2031)

Figure 84. Global High Voltage Super Junction MOSFET Sales Market ShareForecast byType (2026-2031)

Figure 85. Global High Voltage Super Junction MOSFET Revenue Market ShareForecast byType (2026-2031)

Figure 86. Global High Voltage Super Junction MOSFET Sales Market ShareForecast by Application (2026-2031)

Figure 87. Global High Voltage Super Junction MOSFET Revenue Market ShareForecast by Application (2026-2031)

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