

Global High Voltage Half Bridge Driver Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/G02851D68FC1EN.html>

Date: September 2023

Pages: 109

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

ID: G02851D68FC1EN

Abstracts

The global High Voltage Half Bridge Driver market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

A high-voltage half-bridge driver is an electronic device used to control the half-bridge topology in high-voltage circuits. The half-bridge topology consists of two power switches, a high-side switch and a low-side switch. The main function of the high-voltage half-bridge driver is to provide driving signals for the two power switches and control their switching states, thereby realizing the control and regulation of the high-voltage circuit. High-voltage half-bridge drivers usually have the following characteristics: 1. High-voltage capability: High-voltage half-bridge drivers can withstand high operating voltages, usually between tens of volts and hundreds of volts. This makes them suitable for driving and controlling high voltage circuits. 2. High current capability: The high-voltage half-bridge driver can supply enough current to drive the power switch to ensure its normal operation. They usually have higher output current capability to meet the needs of power switches. 3. High-speed switching capability: High-voltage half-bridge drivers can switch power switches quickly to achieve precise control of high-voltage circuits. They typically have short switching delays and fast rise/fall times to ensure efficient switching operation. 4. Protection functions: High-voltage half-bridge drivers usually have multiple protection functions, such as overvoltage protection, overcurrent protection, and overtemperature protection. These protection features protect the drive and driven equipment from damage. High-voltage half-bridge drivers are widely used in industrial control, power electronics, automotive electronics and other fields that require precise control of high-voltage circuits. They can realize the drive and control of motors, frequency converters, inverters and other equipment, and improve the efficiency and reliability of the system.

This report studies the global High Voltage Half Bridge Driver production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for High Voltage Half Bridge Driver, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of High Voltage Half Bridge Driver that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global High Voltage Half Bridge Driver total production and demand, 2018-2029, (K Units)

Global High Voltage Half Bridge Driver total production value, 2018-2029, (USD Million)

Global High Voltage Half Bridge Driver production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global High Voltage Half Bridge Driver consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: High Voltage Half Bridge Driver domestic production, consumption, key domestic manufacturers and share

Global High Voltage Half Bridge Driver production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global High Voltage Half Bridge Driver production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global High Voltage Half Bridge Driver production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global High Voltage Half Bridge Driver market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include STMicroelectronics NV, Texas Instruments Inc., Mitsubishi Electric Corporation, Infineon Technologies AG, ON

Semiconductor Corporation, Analog Devices, Inc., Maxim Integrated Products, Inc., Microchip Technology Inc. and Renesas Electronics Corporation, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World High Voltage Half Bridge Driver market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global High Voltage Half Bridge Driver Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global High Voltage Half Bridge Driver Market, Segmentation by Type

Single High Voltage Half Bridge Driver

Dual High-Voltage Half-Bridge Driver

Multiple High Voltage Half-Bridge Drivers

Global High Voltage Half Bridge Driver Market, Segmentation by Application

Medical Industry

Electrical Industry

Transportation Industry

Automobile Industry

Others

Companies Profiled:

STMicroelectronics NV

Texas Instruments Inc.

Mitsubishi Electric Corporation

Infineon Technologies AG

ON Semiconductor Corporation

Analog Devices, Inc.

Maxim Integrated Products, Inc.

Microchip Technology Inc.

Renesas Electronics Corporation

Silicon Labs Inc.

Diodes Incorporated

Power Integrations, Inc.

IXYS Corporation

Semtech Corporation

Key Questions Answered

1. How big is the global High Voltage Half Bridge Driver market?
2. What is the demand of the global High Voltage Half Bridge Driver market?
3. What is the year over year growth of the global High Voltage Half Bridge Driver market?
4. What is the production and production value of the global High Voltage Half Bridge Driver market?
5. Who are the key producers in the global High Voltage Half Bridge Driver market?

Contents

1 SUPPLY SUMMARY

- 1.1 High Voltage Half Bridge Driver Introduction
- 1.2 World High Voltage Half Bridge Driver Supply & Forecast
 - 1.2.1 World High Voltage Half Bridge Driver Production Value (2018 & 2022 & 2029)
 - 1.2.2 World High Voltage Half Bridge Driver Production (2018-2029)
 - 1.2.3 World High Voltage Half Bridge Driver Pricing Trends (2018-2029)
- 1.3 World High Voltage Half Bridge Driver Production by Region (Based on Production Site)
 - 1.3.1 World High Voltage Half Bridge Driver Production Value by Region (2018-2029)
 - 1.3.2 World High Voltage Half Bridge Driver Production by Region (2018-2029)
 - 1.3.3 World High Voltage Half Bridge Driver Average Price by Region (2018-2029)
 - 1.3.4 North America High Voltage Half Bridge Driver Production (2018-2029)
 - 1.3.5 Europe High Voltage Half Bridge Driver Production (2018-2029)
 - 1.3.6 China High Voltage Half Bridge Driver Production (2018-2029)
 - 1.3.7 Japan High Voltage Half Bridge Driver Production (2018-2029)
 - 1.3.8 South Korea High Voltage Half Bridge Driver Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 High Voltage Half Bridge Driver Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 High Voltage Half Bridge Driver Major Market Trends

2 DEMAND SUMMARY

- 2.1 World High Voltage Half Bridge Driver Demand (2018-2029)
- 2.2 World High Voltage Half Bridge Driver Consumption by Region
 - 2.2.1 World High Voltage Half Bridge Driver Consumption by Region (2018-2023)
 - 2.2.2 World High Voltage Half Bridge Driver Consumption Forecast by Region (2024-2029)
- 2.3 United States High Voltage Half Bridge Driver Consumption (2018-2029)
- 2.4 China High Voltage Half Bridge Driver Consumption (2018-2029)
- 2.5 Europe High Voltage Half Bridge Driver Consumption (2018-2029)
- 2.6 Japan High Voltage Half Bridge Driver Consumption (2018-2029)
- 2.7 South Korea High Voltage Half Bridge Driver Consumption (2018-2029)
- 2.8 ASEAN High Voltage Half Bridge Driver Consumption (2018-2029)
- 2.9 India High Voltage Half Bridge Driver Consumption (2018-2029)

3 WORLD HIGH VOLTAGE HALF BRIDGE DRIVER MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World High Voltage Half Bridge Driver Production Value by Manufacturer (2018-2023)

3.2 World High Voltage Half Bridge Driver Production by Manufacturer (2018-2023)

3.3 World High Voltage Half Bridge Driver Average Price by Manufacturer (2018-2023)

3.4 High Voltage Half Bridge Driver Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global High Voltage Half Bridge Driver Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for High Voltage Half Bridge Driver in 2022

3.5.3 Global Concentration Ratios (CR8) for High Voltage Half Bridge Driver in 2022

3.6 High Voltage Half Bridge Driver Market: Overall Company Footprint Analysis

3.6.1 High Voltage Half Bridge Driver Market: Region Footprint

3.6.2 High Voltage Half Bridge Driver Market: Company Product Type Footprint

3.6.3 High Voltage Half Bridge Driver Market: Company Product Application Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: High Voltage Half Bridge Driver Production Value Comparison

4.1.1 United States VS China: High Voltage Half Bridge Driver Production Value Comparison (2018 & 2022 & 2029)

4.1.2 United States VS China: High Voltage Half Bridge Driver Production Value Market Share Comparison (2018 & 2022 & 2029)

4.2 United States VS China: High Voltage Half Bridge Driver Production Comparison

4.2.1 United States VS China: High Voltage Half Bridge Driver Production Comparison (2018 & 2022 & 2029)

4.2.2 United States VS China: High Voltage Half Bridge Driver Production Market Share Comparison (2018 & 2022 & 2029)

4.3 United States VS China: High Voltage Half Bridge Driver Consumption Comparison

4.3.1 United States VS China: High Voltage Half Bridge Driver Consumption Comparison (2018 & 2022 & 2029)

4.3.2 United States VS China: High Voltage Half Bridge Driver Consumption Market Share Comparison (2018 & 2022 & 2029)

4.4 United States Based High Voltage Half Bridge Driver Manufacturers and Market Share, 2018-2023

4.4.1 United States Based High Voltage Half Bridge Driver Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers High Voltage Half Bridge Driver Production Value (2018-2023)

4.4.3 United States Based Manufacturers High Voltage Half Bridge Driver Production (2018-2023)

4.5 China Based High Voltage Half Bridge Driver Manufacturers and Market Share

4.5.1 China Based High Voltage Half Bridge Driver Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers High Voltage Half Bridge Driver Production Value (2018-2023)

4.5.3 China Based Manufacturers High Voltage Half Bridge Driver Production (2018-2023)

4.6 Rest of World Based High Voltage Half Bridge Driver Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based High Voltage Half Bridge Driver Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers High Voltage Half Bridge Driver Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers High Voltage Half Bridge Driver Production (2018-2023)

5 MARKET ANALYSIS BY TYPE

5.1 World High Voltage Half Bridge Driver Market Size Overview by Type: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Type

5.2.1 Single High Voltage Half Bridge Driver

5.2.2 Dual High-Voltage Half-Bridge Driver

5.2.3 Multiple High Voltage Half-Bridge Drivers

5.3 Market Segment by Type

5.3.1 World High Voltage Half Bridge Driver Production by Type (2018-2029)

5.3.2 World High Voltage Half Bridge Driver Production Value by Type (2018-2029)

5.3.3 World High Voltage Half Bridge Driver Average Price by Type (2018-2029)

6 MARKET ANALYSIS BY APPLICATION

6.1 World High Voltage Half Bridge Driver Market Size Overview by Application: 2018 VS 2022 VS 2029

6.2 Segment Introduction by Application

6.2.1 Medical Industry

6.2.2 Electrical Industry

6.2.3 Transportation Industry

6.2.4 Automobile Industry

6.2.5 Others

6.3 Market Segment by Application

6.3.1 World High Voltage Half Bridge Driver Production by Application (2018-2029)

6.3.2 World High Voltage Half Bridge Driver Production Value by Application (2018-2029)

6.3.3 World High Voltage Half Bridge Driver Average Price by Application (2018-2029)

7 COMPANY PROFILES

7.1 STMicroelectronics NV

7.1.1 STMicroelectronics NV Details

7.1.2 STMicroelectronics NV Major Business

7.1.3 STMicroelectronics NV High Voltage Half Bridge Driver Product and Services

7.1.4 STMicroelectronics NV High Voltage Half Bridge Driver Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.1.5 STMicroelectronics NV Recent Developments/Updates

7.1.6 STMicroelectronics NV Competitive Strengths & Weaknesses

7.2 Texas Instruments Inc.

7.2.1 Texas Instruments Inc. Details

7.2.2 Texas Instruments Inc. Major Business

7.2.3 Texas Instruments Inc. High Voltage Half Bridge Driver Product and Services

7.2.4 Texas Instruments Inc. High Voltage Half Bridge Driver Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.2.5 Texas Instruments Inc. Recent Developments/Updates

7.2.6 Texas Instruments Inc. Competitive Strengths & Weaknesses

7.3 Mitsubishi Electric Corporation

7.3.1 Mitsubishi Electric Corporation Details

7.3.2 Mitsubishi Electric Corporation Major Business

7.3.3 Mitsubishi Electric Corporation High Voltage Half Bridge Driver Product and Services

7.3.4 Mitsubishi Electric Corporation High Voltage Half Bridge Driver Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.3.5 Mitsubishi Electric Corporation Recent Developments/Updates

7.3.6 Mitsubishi Electric Corporation Competitive Strengths & Weaknesses

7.4 Infineon Technologies AG

7.4.1 Infineon Technologies AG Details

7.4.2 Infineon Technologies AG Major Business

7.4.3 Infineon Technologies AG High Voltage Half Bridge Driver Product and Services

7.4.4 Infineon Technologies AG High Voltage Half Bridge Driver Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.4.5 Infineon Technologies AG Recent Developments/Updates

7.4.6 Infineon Technologies AG Competitive Strengths & Weaknesses

7.5 ON Semiconductor Corporation

7.5.1 ON Semiconductor Corporation Details

7.5.2 ON Semiconductor Corporation Major Business

7.5.3 ON Semiconductor Corporation High Voltage Half Bridge Driver Product and Services

7.5.4 ON Semiconductor Corporation High Voltage Half Bridge Driver Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.5.5 ON Semiconductor Corporation Recent Developments/Updates

7.5.6 ON Semiconductor Corporation Competitive Strengths & Weaknesses

7.6 Analog Devices, Inc.

7.6.1 Analog Devices, Inc. Details

7.6.2 Analog Devices, Inc. Major Business

7.6.3 Analog Devices, Inc. High Voltage Half Bridge Driver Product and Services

7.6.4 Analog Devices, Inc. High Voltage Half Bridge Driver Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.6.5 Analog Devices, Inc. Recent Developments/Updates

7.6.6 Analog Devices, Inc. Competitive Strengths & Weaknesses

7.7 Maxim Integrated Products, Inc.

7.7.1 Maxim Integrated Products, Inc. Details

7.7.2 Maxim Integrated Products, Inc. Major Business

7.7.3 Maxim Integrated Products, Inc. High Voltage Half Bridge Driver Product and Services

7.7.4 Maxim Integrated Products, Inc. High Voltage Half Bridge Driver Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.7.5 Maxim Integrated Products, Inc. Recent Developments/Updates

7.7.6 Maxim Integrated Products, Inc. Competitive Strengths & Weaknesses

7.8 Microchip Technology Inc.

- 7.8.1 Microchip Technology Inc. Details
- 7.8.2 Microchip Technology Inc. Major Business
- 7.8.3 Microchip Technology Inc. High Voltage Half Bridge Driver Product and Services
- 7.8.4 Microchip Technology Inc. High Voltage Half Bridge Driver Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.8.5 Microchip Technology Inc. Recent Developments/Updates
- 7.8.6 Microchip Technology Inc. Competitive Strengths & Weaknesses
- 7.9 Renesas Electronics Corporation
 - 7.9.1 Renesas Electronics Corporation Details
 - 7.9.2 Renesas Electronics Corporation Major Business
 - 7.9.3 Renesas Electronics Corporation High Voltage Half Bridge Driver Product and Services
 - 7.9.4 Renesas Electronics Corporation High Voltage Half Bridge Driver Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.9.5 Renesas Electronics Corporation Recent Developments/Updates
 - 7.9.6 Renesas Electronics Corporation Competitive Strengths & Weaknesses
- 7.10 Silicon Labs Inc.
 - 7.10.1 Silicon Labs Inc. Details
 - 7.10.2 Silicon Labs Inc. Major Business
 - 7.10.3 Silicon Labs Inc. High Voltage Half Bridge Driver Product and Services
 - 7.10.4 Silicon Labs Inc. High Voltage Half Bridge Driver Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.10.5 Silicon Labs Inc. Recent Developments/Updates
 - 7.10.6 Silicon Labs Inc. Competitive Strengths & Weaknesses
- 7.11 Diodes Incorporated
 - 7.11.1 Diodes Incorporated Details
 - 7.11.2 Diodes Incorporated Major Business
 - 7.11.3 Diodes Incorporated High Voltage Half Bridge Driver Product and Services
 - 7.11.4 Diodes Incorporated High Voltage Half Bridge Driver Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.11.5 Diodes Incorporated Recent Developments/Updates
 - 7.11.6 Diodes Incorporated Competitive Strengths & Weaknesses
- 7.12 Power Integrations, Inc.
 - 7.12.1 Power Integrations, Inc. Details
 - 7.12.2 Power Integrations, Inc. Major Business
 - 7.12.3 Power Integrations, Inc. High Voltage Half Bridge Driver Product and Services
 - 7.12.4 Power Integrations, Inc. High Voltage Half Bridge Driver Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.12.5 Power Integrations, Inc. Recent Developments/Updates

- 7.12.6 Power Integrations, Inc. Competitive Strengths & Weaknesses
- 7.13 IXYS Corporation
 - 7.13.1 IXYS Corporation Details
 - 7.13.2 IXYS Corporation Major Business
 - 7.13.3 IXYS Corporation High Voltage Half Bridge Driver Product and Services
 - 7.13.4 IXYS Corporation High Voltage Half Bridge Driver Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.13.5 IXYS Corporation Recent Developments/Updates
 - 7.13.6 IXYS Corporation Competitive Strengths & Weaknesses
- 7.14 Semtech Corporation
 - 7.14.1 Semtech Corporation Details
 - 7.14.2 Semtech Corporation Major Business
 - 7.14.3 Semtech Corporation High Voltage Half Bridge Driver Product and Services
 - 7.14.4 Semtech Corporation High Voltage Half Bridge Driver Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.14.5 Semtech Corporation Recent Developments/Updates
 - 7.14.6 Semtech Corporation Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

- 8.1 High Voltage Half Bridge Driver Industry Chain
- 8.2 High Voltage Half Bridge Driver Upstream Analysis
 - 8.2.1 High Voltage Half Bridge Driver Core Raw Materials
 - 8.2.2 Main Manufacturers of High Voltage Half Bridge Driver Core Raw Materials
- 8.3 Midstream Analysis
- 8.4 Downstream Analysis
- 8.5 High Voltage Half Bridge Driver Production Mode
- 8.6 High Voltage Half Bridge Driver Procurement Model
- 8.7 High Voltage Half Bridge Driver Industry Sales Model and Sales Channels
 - 8.7.1 High Voltage Half Bridge Driver Sales Model
 - 8.7.2 High Voltage Half Bridge Driver Typical Customers

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

- 10.1 Methodology
- 10.2 Research Process and Data Source

10.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World High Voltage Half Bridge Driver Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World High Voltage Half Bridge Driver Production Value by Region (2018-2023) & (USD Million)

Table 3. World High Voltage Half Bridge Driver Production Value by Region (2024-2029) & (USD Million)

Table 4. World High Voltage Half Bridge Driver Production Value Market Share by Region (2018-2023)

Table 5. World High Voltage Half Bridge Driver Production Value Market Share by Region (2024-2029)

Table 6. World High Voltage Half Bridge Driver Production by Region (2018-2023) & (K Units)

Table 7. World High Voltage Half Bridge Driver Production by Region (2024-2029) & (K Units)

Table 8. World High Voltage Half Bridge Driver Production Market Share by Region (2018-2023)

Table 9. World High Voltage Half Bridge Driver Production Market Share by Region (2024-2029)

Table 10. World High Voltage Half Bridge Driver Average Price by Region (2018-2023) & (US\$/Unit)

Table 11. World High Voltage Half Bridge Driver Average Price by Region (2024-2029) & (US\$/Unit)

Table 12. High Voltage Half Bridge Driver Major Market Trends

Table 13. World High Voltage Half Bridge Driver Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (K Units)

Table 14. World High Voltage Half Bridge Driver Consumption by Region (2018-2023) & (K Units)

Table 15. World High Voltage Half Bridge Driver Consumption Forecast by Region (2024-2029) & (K Units)

Table 16. World High Voltage Half Bridge Driver Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key High Voltage Half Bridge Driver Producers in 2022

Table 18. World High Voltage Half Bridge Driver Production by Manufacturer (2018-2023) & (K Units)

Table 19. Production Market Share of Key High Voltage Half Bridge Driver Producers in 2022

Table 20. World High Voltage Half Bridge Driver Average Price by Manufacturer (2018-2023) & (US\$/Unit)

Table 21. Global High Voltage Half Bridge Driver Company Evaluation Quadrant

Table 22. World High Voltage Half Bridge Driver Industry Rank of Major Manufacturers, Based on Production Value in 2022

Table 23. Head Office and High Voltage Half Bridge Driver Production Site of Key Manufacturer

Table 24. High Voltage Half Bridge Driver Market: Company Product Type Footprint

Table 25. High Voltage Half Bridge Driver Market: Company Product Application Footprint

Table 26. High Voltage Half Bridge Driver Competitive Factors

Table 27. High Voltage Half Bridge Driver New Entrant and Capacity Expansion Plans

Table 28. High Voltage Half Bridge Driver Mergers & Acquisitions Activity

Table 29. United States VS China High Voltage Half Bridge Driver Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 30. United States VS China High Voltage Half Bridge Driver Production Comparison, (2018 & 2022 & 2029) & (K Units)

Table 31. United States VS China High Voltage Half Bridge Driver Consumption Comparison, (2018 & 2022 & 2029) & (K Units)

Table 32. United States Based High Voltage Half Bridge Driver Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers High Voltage Half Bridge Driver Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers High Voltage Half Bridge Driver Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers High Voltage Half Bridge Driver Production (2018-2023) & (K Units)

Table 36. United States Based Manufacturers High Voltage Half Bridge Driver Production Market Share (2018-2023)

Table 37. China Based High Voltage Half Bridge Driver Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers High Voltage Half Bridge Driver Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers High Voltage Half Bridge Driver Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers High Voltage Half Bridge Driver Production (2018-2023) & (K Units)

Table 41. China Based Manufacturers High Voltage Half Bridge Driver Production Market Share (2018-2023)

Table 42. Rest of World Based High Voltage Half Bridge Driver Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers High Voltage Half Bridge Driver Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers High Voltage Half Bridge Driver Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers High Voltage Half Bridge Driver Production (2018-2023) & (K Units)

Table 46. Rest of World Based Manufacturers High Voltage Half Bridge Driver Production Market Share (2018-2023)

Table 47. World High Voltage Half Bridge Driver Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World High Voltage Half Bridge Driver Production by Type (2018-2023) & (K Units)

Table 49. World High Voltage Half Bridge Driver Production by Type (2024-2029) & (K Units)

Table 50. World High Voltage Half Bridge Driver Production Value by Type (2018-2023) & (USD Million)

Table 51. World High Voltage Half Bridge Driver Production Value by Type (2024-2029) & (USD Million)

Table 52. World High Voltage Half Bridge Driver Average Price by Type (2018-2023) & (US\$/Unit)

Table 53. World High Voltage Half Bridge Driver Average Price by Type (2024-2029) & (US\$/Unit)

Table 54. World High Voltage Half Bridge Driver Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World High Voltage Half Bridge Driver Production by Application (2018-2023) & (K Units)

Table 56. World High Voltage Half Bridge Driver Production by Application (2024-2029) & (K Units)

Table 57. World High Voltage Half Bridge Driver Production Value by Application (2018-2023) & (USD Million)

Table 58. World High Voltage Half Bridge Driver Production Value by Application (2024-2029) & (USD Million)

Table 59. World High Voltage Half Bridge Driver Average Price by Application (2018-2023) & (US\$/Unit)

Table 60. World High Voltage Half Bridge Driver Average Price by Application

(2024-2029) & (US\$/Unit)

Table 61. STMicroelectronics NV Basic Information, Manufacturing Base and Competitors

Table 62. STMicroelectronics NV Major Business

Table 63. STMicroelectronics NV High Voltage Half Bridge Driver Product and Services

Table 64. STMicroelectronics NV High Voltage Half Bridge Driver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 65. STMicroelectronics NV Recent Developments/Updates

Table 66. STMicroelectronics NV Competitive Strengths & Weaknesses

Table 67. Texas Instruments Inc. Basic Information, Manufacturing Base and Competitors

Table 68. Texas Instruments Inc. Major Business

Table 69. Texas Instruments Inc. High Voltage Half Bridge Driver Product and Services

Table 70. Texas Instruments Inc. High Voltage Half Bridge Driver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 71. Texas Instruments Inc. Recent Developments/Updates

Table 72. Texas Instruments Inc. Competitive Strengths & Weaknesses

Table 73. Mitsubishi Electric Corporation Basic Information, Manufacturing Base and Competitors

Table 74. Mitsubishi Electric Corporation Major Business

Table 75. Mitsubishi Electric Corporation High Voltage Half Bridge Driver Product and Services

Table 76. Mitsubishi Electric Corporation High Voltage Half Bridge Driver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. Mitsubishi Electric Corporation Recent Developments/Updates

Table 78. Mitsubishi Electric Corporation Competitive Strengths & Weaknesses

Table 79. Infineon Technologies AG Basic Information, Manufacturing Base and Competitors

Table 80. Infineon Technologies AG Major Business

Table 81. Infineon Technologies AG High Voltage Half Bridge Driver Product and Services

Table 82. Infineon Technologies AG High Voltage Half Bridge Driver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 83. Infineon Technologies AG Recent Developments/Updates

Table 84. Infineon Technologies AG Competitive Strengths & Weaknesses

Table 85. ON Semiconductor Corporation Basic Information, Manufacturing Base and Competitors

Table 86. ON Semiconductor Corporation Major Business

Table 87. ON Semiconductor Corporation High Voltage Half Bridge Driver Product and Services

Table 88. ON Semiconductor Corporation High Voltage Half Bridge Driver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 89. ON Semiconductor Corporation Recent Developments/Updates

Table 90. ON Semiconductor Corporation Competitive Strengths & Weaknesses

Table 91. Analog Devices, Inc. Basic Information, Manufacturing Base and Competitors

Table 92. Analog Devices, Inc. Major Business

Table 93. Analog Devices, Inc. High Voltage Half Bridge Driver Product and Services

Table 94. Analog Devices, Inc. High Voltage Half Bridge Driver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 95. Analog Devices, Inc. Recent Developments/Updates

Table 96. Analog Devices, Inc. Competitive Strengths & Weaknesses

Table 97. Maxim Integrated Products, Inc. Basic Information, Manufacturing Base and Competitors

Table 98. Maxim Integrated Products, Inc. Major Business

Table 99. Maxim Integrated Products, Inc. High Voltage Half Bridge Driver Product and Services

Table 100. Maxim Integrated Products, Inc. High Voltage Half Bridge Driver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 101. Maxim Integrated Products, Inc. Recent Developments/Updates

Table 102. Maxim Integrated Products, Inc. Competitive Strengths & Weaknesses

Table 103. Microchip Technology Inc. Basic Information, Manufacturing Base and Competitors

Table 104. Microchip Technology Inc. Major Business

Table 105. Microchip Technology Inc. High Voltage Half Bridge Driver Product and Services

Table 106. Microchip Technology Inc. High Voltage Half Bridge Driver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 107. Microchip Technology Inc. Recent Developments/Updates

Table 108. Microchip Technology Inc. Competitive Strengths & Weaknesses

Table 109. Renesas Electronics Corporation Basic Information, Manufacturing Base

and Competitors

Table 110. Renesas Electronics Corporation Major Business

Table 111. Renesas Electronics Corporation High Voltage Half Bridge Driver Product and Services

Table 112. Renesas Electronics Corporation High Voltage Half Bridge Driver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 113. Renesas Electronics Corporation Recent Developments/Updates

Table 114. Renesas Electronics Corporation Competitive Strengths & Weaknesses

Table 115. Silicon Labs Inc. Basic Information, Manufacturing Base and Competitors

Table 116. Silicon Labs Inc. Major Business

Table 117. Silicon Labs Inc. High Voltage Half Bridge Driver Product and Services

Table 118. Silicon Labs Inc. High Voltage Half Bridge Driver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 119. Silicon Labs Inc. Recent Developments/Updates

Table 120. Silicon Labs Inc. Competitive Strengths & Weaknesses

Table 121. Diodes Incorporated Basic Information, Manufacturing Base and Competitors

Table 122. Diodes Incorporated Major Business

Table 123. Diodes Incorporated High Voltage Half Bridge Driver Product and Services

Table 124. Diodes Incorporated High Voltage Half Bridge Driver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 125. Diodes Incorporated Recent Developments/Updates

Table 126. Diodes Incorporated Competitive Strengths & Weaknesses

Table 127. Power Integrations, Inc. Basic Information, Manufacturing Base and Competitors

Table 128. Power Integrations, Inc. Major Business

Table 129. Power Integrations, Inc. High Voltage Half Bridge Driver Product and Services

Table 130. Power Integrations, Inc. High Voltage Half Bridge Driver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 131. Power Integrations, Inc. Recent Developments/Updates

Table 132. Power Integrations, Inc. Competitive Strengths & Weaknesses

Table 133. IXYS Corporation Basic Information, Manufacturing Base and Competitors

Table 134. IXYS Corporation Major Business

Table 135. IXYS Corporation High Voltage Half Bridge Driver Product and Services

Table 136. IXYS Corporation High Voltage Half Bridge Driver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 137. IXYS Corporation Recent Developments/Updates

Table 138. Semtech Corporation Basic Information, Manufacturing Base and Competitors

Table 139. Semtech Corporation Major Business

Table 140. Semtech Corporation High Voltage Half Bridge Driver Product and Services

Table 141. Semtech Corporation High Voltage Half Bridge Driver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 142. Global Key Players of High Voltage Half Bridge Driver Upstream (Raw Materials)

Table 143. High Voltage Half Bridge Driver Typical Customers

Table 144. High Voltage Half Bridge Driver Typical Distributors

List of Figure

Figure 1. High Voltage Half Bridge Driver Picture

Figure 2. World High Voltage Half Bridge Driver Production Value: 2018 & 2022 & 2029, (USD Million)

Figure 3. World High Voltage Half Bridge Driver Production Value and Forecast (2018-2029) & (USD Million)

Figure 4. World High Voltage Half Bridge Driver Production (2018-2029) & (K Units)

Figure 5. World High Voltage Half Bridge Driver Average Price (2018-2029) & (US\$/Unit)

Figure 6. World High Voltage Half Bridge Driver Production Value Market Share by Region (2018-2029)

Figure 7. World High Voltage Half Bridge Driver Production Market Share by Region (2018-2029)

Figure 8. North America High Voltage Half Bridge Driver Production (2018-2029) & (K Units)

Figure 9. Europe High Voltage Half Bridge Driver Production (2018-2029) & (K Units)

Figure 10. China High Voltage Half Bridge Driver Production (2018-2029) & (K Units)

Figure 11. Japan High Voltage Half Bridge Driver Production (2018-2029) & (K Units)

Figure 12. South Korea High Voltage Half Bridge Driver Production (2018-2029) & (K Units)

Figure 13. High Voltage Half Bridge Driver Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World High Voltage Half Bridge Driver Consumption (2018-2029) & (K Units)

Figure 16. World High Voltage Half Bridge Driver Consumption Market Share by Region

(2018-2029)

Figure 17. United States High Voltage Half Bridge Driver Consumption (2018-2029) & (K Units)

Figure 18. China High Voltage Half Bridge Driver Consumption (2018-2029) & (K Units)

Figure 19. Europe High Voltage Half Bridge Driver Consumption (2018-2029) & (K Units)

Figure 20. Japan High Voltage Half Bridge Driver Consumption (2018-2029) & (K Units)

Figure 21. South Korea High Voltage Half Bridge Driver Consumption (2018-2029) & (K Units)

Figure 22. ASEAN High Voltage Half Bridge Driver Consumption (2018-2029) & (K Units)

Figure 23. India High Voltage Half Bridge Driver Consumption (2018-2029) & (K Units)

Figure 24. Producer Shipments of High Voltage Half Bridge Driver by Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 25. Global Four-firm Concentration Ratios (CR4) for High Voltage Half Bridge Driver Markets in 2022

Figure 26. Global Four-firm Concentration Ratios (CR8) for High Voltage Half Bridge Driver Markets in 2022

Figure 27. United States VS China: High Voltage Half Bridge Driver Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: High Voltage Half Bridge Driver Production Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States VS China: High Voltage Half Bridge Driver Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 30. United States Based Manufacturers High Voltage Half Bridge Driver Production Market Share 2022

Figure 31. China Based Manufacturers High Voltage Half Bridge Driver Production Market Share 2022

Figure 32. Rest of World Based Manufacturers High Voltage Half Bridge Driver Production Market Share 2022

Figure 33. World High Voltage Half Bridge Driver Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 34. World High Voltage Half Bridge Driver Production Value Market Share by Type in 2022

Figure 35. Single High Voltage Half Bridge Driver

Figure 36. Dual High-Voltage Half-Bridge Driver

Figure 37. Multiple High Voltage Half-Bridge Drivers

Figure 38. World High Voltage Half Bridge Driver Production Market Share by Type (2018-2029)

Figure 39. World High Voltage Half Bridge Driver Production Value Market Share by Type (2018-2029)

Figure 40. World High Voltage Half Bridge Driver Average Price by Type (2018-2029) & (US\$/Unit)

Figure 41. World High Voltage Half Bridge Driver Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 42. World High Voltage Half Bridge Driver Production Value Market Share by Application in 2022

Figure 43. Medical Industry

Figure 44. Electrical Industry

Figure 45. Transportation Industry

Figure 46. Automobile Industry

Figure 47. Others

Figure 48. World High Voltage Half Bridge Driver Production Market Share by Application (2018-2029)

Figure 49. World High Voltage Half Bridge Driver Production Value Market Share by Application (2018-2029)

Figure 50. World High Voltage Half Bridge Driver Average Price by Application (2018-2029) & (US\$/Unit)

Figure 51. High Voltage Half Bridge Driver Industry Chain

Figure 52. High Voltage Half Bridge Driver Procurement Model

Figure 53. High Voltage Half Bridge Driver Sales Model

Figure 54. High Voltage Half Bridge Driver Sales Channels, Direct Sales, and Distribution

Figure 55. Methodology

Figure 56. Research Process and Data Source

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