

# Global Full Bridge Gate Driver ICs Supply, Demand and Key Producers, 2023-2029

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## Abstracts

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

The market prospects for full bridge gate driver ICs are highly promising. With the increasing demand for efficient and precise power control in applications like motor drives, inverters, and power supplies, the need for reliable and high-performance gate drivers is growing. Full bridge gate driver ICs offer compact size, high power density, and advanced features like fault protection and dead-time control. These ICs are crucial in achieving efficient motor control and power conversion in various industries, including automotive, industrial automation, and renewable energy. As the demand for energy-efficient solutions and precise power control continues to rise, the market for full bridge gate driver ICs is expected to witness significant growth.

The full bridge gate driver IC refers to an integrated circuit that controls the switching of power transistors in a full bridge configuration. This configuration is commonly used in power electronics applications, such as motor drives, inverters, and power supplies. The gate driver IC provides the necessary signals to drive the high-side and low-side power transistors, enabling efficient and precise switching. It incorporates features like dead-time control, fault protection, and undervoltage lockout to ensure safe and reliable operation. The compact size, high power density, and advanced features of full bridge gate driver ICs make them essential components in modern power electronics systems that require efficient motor control and power conversion capabilities.

This report studies the global Full Bridge Gate Driver ICs production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Full Bridge Gate Driver ICs, 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 Full Bridge Gate Driver ICs that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Full Bridge Gate Driver ICs total production and demand, 2018-2029, (K Units)

Global Full Bridge Gate Driver ICs total production value, 2018-2029, (USD Million)

Global Full Bridge Gate Driver ICs production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Full Bridge Gate Driver ICs consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Full Bridge Gate Driver ICs domestic production, consumption, key domestic manufacturers and share

Global Full Bridge Gate Driver ICs production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Full Bridge Gate Driver ICs production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Full Bridge Gate Driver ICs production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global Full Bridge Gate Driver ICs market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Infineon, Onsemi, Telefunken, Analog Devices, Inc. (ADI), Texas Instruments Semiconductor Technologies, Renesas Electronics, Monolithic Power Systems (MPS), IXYS Corporation and STMicroelectronics, 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 Full Bridge Gate Driver ICs 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 Full Bridge Gate Driver ICs Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Full Bridge Gate Driver ICs Market, Segmentation by Type

Quad Flat No-lead Package Full Bridge Gate Driver ICs

Small Outline Transistor Package Full Bridge Gate Driver ICs

Others

## Global Full Bridge Gate Driver ICs Market, Segmentation by Application

Industrial

Consumer Electronics

Automotive

Aerospace

Others

## Companies Profiled:

Infineon

Onsemi

Telefunken

Analog Devices, Inc. (ADI)

Texas Instruments Semiconductor Technologies

Renesas Electronics

Monolithic Power Systems (MPS)

IXYS Corporation

STMicroelectronics

NXP Semiconductors

Xian Aerosemi Technology

Shanghai Natlinear Electronics

EGmicro

Shanghai Sillumin Semiconductor

### Key Questions Answered

1. How big is the global Full Bridge Gate Driver ICs market?
2. What is the demand of the global Full Bridge Gate Driver ICs market?
3. What is the year over year growth of the global Full Bridge Gate Driver ICs market?
4. What is the production and production value of the global Full Bridge Gate Driver ICs market?
5. Who are the key producers in the global Full Bridge Gate Driver ICs market?
6. What are the growth factors driving the market demand?

## Contents

### 1 SUPPLY SUMMARY

- 1.1 Full Bridge Gate Driver ICs Introduction
- 1.2 World Full Bridge Gate Driver ICs Supply & Forecast
  - 1.2.1 World Full Bridge Gate Driver ICs Production Value (2018 & 2022 & 2029)
  - 1.2.2 World Full Bridge Gate Driver ICs Production (2018-2029)
  - 1.2.3 World Full Bridge Gate Driver ICs Pricing Trends (2018-2029)
- 1.3 World Full Bridge Gate Driver ICs Production by Region (Based on Production Site)
  - 1.3.1 World Full Bridge Gate Driver ICs Production Value by Region (2018-2029)
  - 1.3.2 World Full Bridge Gate Driver ICs Production by Region (2018-2029)
  - 1.3.3 World Full Bridge Gate Driver ICs Average Price by Region (2018-2029)
  - 1.3.4 North America Full Bridge Gate Driver ICs Production (2018-2029)
  - 1.3.5 Europe Full Bridge Gate Driver ICs Production (2018-2029)
  - 1.3.6 China Full Bridge Gate Driver ICs Production (2018-2029)
  - 1.3.7 Japan Full Bridge Gate Driver ICs Production (2018-2029)
  - 1.3.8 South Korea Full Bridge Gate Driver ICs Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 Full Bridge Gate Driver ICs Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 Full Bridge Gate Driver ICs Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
  - 1.5.1 Influence of COVID-19
  - 1.5.2 Influence of Russia-Ukraine War

### 2 DEMAND SUMMARY

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

### **3 WORLD FULL BRIDGE GATE DRIVER ICS MANUFACTURERS COMPETITIVE ANALYSIS**

- 3.1 World Full Bridge Gate Driver ICs Production Value by Manufacturer (2018-2023)
- 3.2 World Full Bridge Gate Driver ICs Production by Manufacturer (2018-2023)
- 3.3 World Full Bridge Gate Driver ICs Average Price by Manufacturer (2018-2023)
- 3.4 Full Bridge Gate Driver ICs Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
  - 3.5.1 Global Full Bridge Gate Driver ICs Industry Rank of Major Manufacturers
  - 3.5.2 Global Concentration Ratios (CR4) for Full Bridge Gate Driver ICs in 2022
  - 3.5.3 Global Concentration Ratios (CR8) for Full Bridge Gate Driver ICs in 2022
- 3.6 Full Bridge Gate Driver ICs Market: Overall Company Footprint Analysis
  - 3.6.1 Full Bridge Gate Driver ICs Market: Region Footprint
  - 3.6.2 Full Bridge Gate Driver ICs Market: Company Product Type Footprint
  - 3.6.3 Full Bridge Gate Driver ICs 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: Full Bridge Gate Driver ICs Production Value Comparison
  - 4.1.1 United States VS China: Full Bridge Gate Driver ICs Production Value Comparison (2018 & 2022 & 2029)
  - 4.1.2 United States VS China: Full Bridge Gate Driver ICs Production Value Market Share Comparison (2018 & 2022 & 2029)
- 4.2 United States VS China: Full Bridge Gate Driver ICs Production Comparison
  - 4.2.1 United States VS China: Full Bridge Gate Driver ICs Production Comparison (2018 & 2022 & 2029)
  - 4.2.2 United States VS China: Full Bridge Gate Driver ICs Production Market Share Comparison (2018 & 2022 & 2029)
- 4.3 United States VS China: Full Bridge Gate Driver ICs Consumption Comparison
  - 4.3.1 United States VS China: Full Bridge Gate Driver ICs Consumption Comparison (2018 & 2022 & 2029)
  - 4.3.2 United States VS China: Full Bridge Gate Driver ICs Consumption Market Share



Comparison (2018 & 2022 & 2029)

4.4 United States Based Full Bridge Gate Driver ICs Manufacturers and Market Share, 2018-2023

4.4.1 United States Based Full Bridge Gate Driver ICs Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Full Bridge Gate Driver ICs Production Value (2018-2023)

4.4.3 United States Based Manufacturers Full Bridge Gate Driver ICs Production (2018-2023)

4.5 China Based Full Bridge Gate Driver ICs Manufacturers and Market Share

4.5.1 China Based Full Bridge Gate Driver ICs Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Full Bridge Gate Driver ICs Production Value (2018-2023)

4.5.3 China Based Manufacturers Full Bridge Gate Driver ICs Production (2018-2023)

4.6 Rest of World Based Full Bridge Gate Driver ICs Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based Full Bridge Gate Driver ICs Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Full Bridge Gate Driver ICs Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers Full Bridge Gate Driver ICs Production (2018-2023)

## **5 MARKET ANALYSIS BY TYPE**

5.1 World Full Bridge Gate Driver ICs Market Size Overview by Type: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Type

5.2.1 Quad Flat No-lead Package Full Bridge Gate Driver ICs

5.2.2 Small Outline Transistor Package Full Bridge Gate Driver ICs

5.2.3 Others

5.3 Market Segment by Type

5.3.1 World Full Bridge Gate Driver ICs Production by Type (2018-2029)

5.3.2 World Full Bridge Gate Driver ICs Production Value by Type (2018-2029)

5.3.3 World Full Bridge Gate Driver ICs Average Price by Type (2018-2029)

## **6 MARKET ANALYSIS BY APPLICATION**



6.1 World Full Bridge Gate Driver ICs Market Size Overview by Application: 2018 VS 2022 VS 2029

6.2 Segment Introduction by Application

6.2.1 Industrial

6.2.2 Consumer Electronics

6.2.3 Automotive

6.2.4 Aerospace

6.2.5 Others

6.3 Market Segment by Application

6.3.1 World Full Bridge Gate Driver ICs Production by Application (2018-2029)

6.3.2 World Full Bridge Gate Driver ICs Production Value by Application (2018-2029)

6.3.3 World Full Bridge Gate Driver ICs Average Price by Application (2018-2029)

## **7 COMPANY PROFILES**

7.1 Infineon

7.1.1 Infineon Details

7.1.2 Infineon Major Business

7.1.3 Infineon Full Bridge Gate Driver ICs Product and Services

7.1.4 Infineon Full Bridge Gate Driver ICs Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.1.5 Infineon Recent Developments/Updates

7.1.6 Infineon Competitive Strengths & Weaknesses

7.2 Onsemi

7.2.1 Onsemi Details

7.2.2 Onsemi Major Business

7.2.3 Onsemi Full Bridge Gate Driver ICs Product and Services

7.2.4 Onsemi Full Bridge Gate Driver ICs Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.2.5 Onsemi Recent Developments/Updates

7.2.6 Onsemi Competitive Strengths & Weaknesses

7.3 Telefunken

7.3.1 Telefunken Details

7.3.2 Telefunken Major Business

7.3.3 Telefunken Full Bridge Gate Driver ICs Product and Services

7.3.4 Telefunken Full Bridge Gate Driver ICs Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.3.5 Telefunken Recent Developments/Updates

7.3.6 Telefunken Competitive Strengths & Weaknesses

## 7.4 Analog Devices, Inc. (ADI)

### 7.4.1 Analog Devices, Inc. (ADI) Details

### 7.4.2 Analog Devices, Inc. (ADI) Major Business

### 7.4.3 Analog Devices, Inc. (ADI) Full Bridge Gate Driver ICs Product and Services

### 7.4.4 Analog Devices, Inc. (ADI) Full Bridge Gate Driver ICs Production, Price, Value, Gross Margin and Market Share (2018-2023)

### 7.4.5 Analog Devices, Inc. (ADI) Recent Developments/Updates

### 7.4.6 Analog Devices, Inc. (ADI) Competitive Strengths & Weaknesses

## 7.5 Texas Instruments Semiconductor Technologies

### 7.5.1 Texas Instruments Semiconductor Technologies Details

### 7.5.2 Texas Instruments Semiconductor Technologies Major Business

### 7.5.3 Texas Instruments Semiconductor Technologies Full Bridge Gate Driver ICs Product and Services

### 7.5.4 Texas Instruments Semiconductor Technologies Full Bridge Gate Driver ICs Production, Price, Value, Gross Margin and Market Share (2018-2023)

### 7.5.5 Texas Instruments Semiconductor Technologies Recent Developments/Updates

### 7.5.6 Texas Instruments Semiconductor Technologies Competitive Strengths & Weaknesses

## 7.6 Renesas Electronics

### 7.6.1 Renesas Electronics Details

### 7.6.2 Renesas Electronics Major Business

### 7.6.3 Renesas Electronics Full Bridge Gate Driver ICs Product and Services

### 7.6.4 Renesas Electronics Full Bridge Gate Driver ICs Production, Price, Value, Gross Margin and Market Share (2018-2023)

### 7.6.5 Renesas Electronics Recent Developments/Updates

### 7.6.6 Renesas Electronics Competitive Strengths & Weaknesses

## 7.7 Monolithic Power Systems (MPS)

### 7.7.1 Monolithic Power Systems (MPS) Details

### 7.7.2 Monolithic Power Systems (MPS) Major Business

### 7.7.3 Monolithic Power Systems (MPS) Full Bridge Gate Driver ICs Product and Services

### 7.7.4 Monolithic Power Systems (MPS) Full Bridge Gate Driver ICs Production, Price, Value, Gross Margin and Market Share (2018-2023)

### 7.7.5 Monolithic Power Systems (MPS) Recent Developments/Updates

### 7.7.6 Monolithic Power Systems (MPS) Competitive Strengths & Weaknesses

## 7.8 IXYS Corporation

### 7.8.1 IXYS Corporation Details

### 7.8.2 IXYS Corporation Major Business

### 7.8.3 IXYS Corporation Full Bridge Gate Driver ICs Product and Services

7.8.4 IXYS Corporation Full Bridge Gate Driver ICs Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.8.5 IXYS Corporation Recent Developments/Updates

7.8.6 IXYS Corporation Competitive Strengths & Weaknesses

7.9 STMicroelectronics

7.9.1 STMicroelectronics Details

7.9.2 STMicroelectronics Major Business

7.9.3 STMicroelectronics Full Bridge Gate Driver ICs Product and Services

7.9.4 STMicroelectronics Full Bridge Gate Driver ICs Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.9.5 STMicroelectronics Recent Developments/Updates

7.9.6 STMicroelectronics Competitive Strengths & Weaknesses

7.10 NXP Semiconductors

7.10.1 NXP Semiconductors Details

7.10.2 NXP Semiconductors Major Business

7.10.3 NXP Semiconductors Full Bridge Gate Driver ICs Product and Services

7.10.4 NXP Semiconductors Full Bridge Gate Driver ICs Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.10.5 NXP Semiconductors Recent Developments/Updates

7.10.6 NXP Semiconductors Competitive Strengths & Weaknesses

7.11 Xian Aerosemi Technology

7.11.1 Xian Aerosemi Technology Details

7.11.2 Xian Aerosemi Technology Major Business

7.11.3 Xian Aerosemi Technology Full Bridge Gate Driver ICs Product and Services

7.11.4 Xian Aerosemi Technology Full Bridge Gate Driver ICs Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.11.5 Xian Aerosemi Technology Recent Developments/Updates

7.11.6 Xian Aerosemi Technology Competitive Strengths & Weaknesses

7.12 Shanghai Natlinear Electronics

7.12.1 Shanghai Natlinear Electronics Details

7.12.2 Shanghai Natlinear Electronics Major Business

7.12.3 Shanghai Natlinear Electronics Full Bridge Gate Driver ICs Product and Services

7.12.4 Shanghai Natlinear Electronics Full Bridge Gate Driver ICs Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.12.5 Shanghai Natlinear Electronics Recent Developments/Updates

7.12.6 Shanghai Natlinear Electronics Competitive Strengths & Weaknesses

7.13 EGmicro

7.13.1 EGmicro Details

- 7.13.2 EGmicro Major Business
- 7.13.3 EGmicro Full Bridge Gate Driver ICs Product and Services
- 7.13.4 EGmicro Full Bridge Gate Driver ICs Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.13.5 EGmicro Recent Developments/Updates
- 7.13.6 EGmicro Competitive Strengths & Weaknesses
- 7.14 Shanghai Sillum Semiconductor
  - 7.14.1 Shanghai Sillum Semiconductor Details
  - 7.14.2 Shanghai Sillum Semiconductor Major Business
  - 7.14.3 Shanghai Sillum Semiconductor Full Bridge Gate Driver ICs Product and Services
  - 7.14.4 Shanghai Sillum Semiconductor Full Bridge Gate Driver ICs Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.14.5 Shanghai Sillum Semiconductor Recent Developments/Updates
  - 7.14.6 Shanghai Sillum Semiconductor Competitive Strengths & Weaknesses

## **8 INDUSTRY CHAIN ANALYSIS**

- 8.1 Full Bridge Gate Driver ICs Industry Chain
- 8.2 Full Bridge Gate Driver ICs Upstream Analysis
  - 8.2.1 Full Bridge Gate Driver ICs Core Raw Materials
  - 8.2.2 Main Manufacturers of Full Bridge Gate Driver ICs Core Raw Materials
- 8.3 Midstream Analysis
- 8.4 Downstream Analysis
- 8.5 Full Bridge Gate Driver ICs Production Mode
- 8.6 Full Bridge Gate Driver ICs Procurement Model
- 8.7 Full Bridge Gate Driver ICs Industry Sales Model and Sales Channels
  - 8.7.1 Full Bridge Gate Driver ICs Sales Model
  - 8.7.2 Full Bridge Gate Driver ICs 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 Full Bridge Gate Driver ICs Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World Full Bridge Gate Driver ICs Production Value by Region (2018-2023) & (USD Million)

Table 3. World Full Bridge Gate Driver ICs Production Value by Region (2024-2029) & (USD Million)

Table 4. World Full Bridge Gate Driver ICs Production Value Market Share by Region (2018-2023)

Table 5. World Full Bridge Gate Driver ICs Production Value Market Share by Region (2024-2029)

Table 6. World Full Bridge Gate Driver ICs Production by Region (2018-2023) & (K Units)

Table 7. World Full Bridge Gate Driver ICs Production by Region (2024-2029) & (K Units)

Table 8. World Full Bridge Gate Driver ICs Production Market Share by Region (2018-2023)

Table 9. World Full Bridge Gate Driver ICs Production Market Share by Region (2024-2029)

Table 10. World Full Bridge Gate Driver ICs Average Price by Region (2018-2023) & (US\$/Unit)

Table 11. World Full Bridge Gate Driver ICs Average Price by Region (2024-2029) & (US\$/Unit)

Table 12. Full Bridge Gate Driver ICs Major Market Trends

Table 13. World Full Bridge Gate Driver ICs Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (K Units)

Table 14. World Full Bridge Gate Driver ICs Consumption by Region (2018-2023) & (K Units)

Table 15. World Full Bridge Gate Driver ICs Consumption Forecast by Region (2024-2029) & (K Units)

Table 16. World Full Bridge Gate Driver ICs Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key Full Bridge Gate Driver ICs Producers in 2022

Table 18. World Full Bridge Gate Driver ICs Production by Manufacturer (2018-2023) & (K Units)

Table 19. Production Market Share of Key Full Bridge Gate Driver ICs Producers in 2022

Table 20. World Full Bridge Gate Driver ICs Average Price by Manufacturer (2018-2023) & (US\$/Unit)

Table 21. Global Full Bridge Gate Driver ICs Company Evaluation Quadrant

Table 22. World Full Bridge Gate Driver ICs Industry Rank of Major Manufacturers, Based on Production Value in 2022

Table 23. Head Office and Full Bridge Gate Driver ICs Production Site of Key Manufacturer

Table 24. Full Bridge Gate Driver ICs Market: Company Product Type Footprint

Table 25. Full Bridge Gate Driver ICs Market: Company Product Application Footprint

Table 26. Full Bridge Gate Driver ICs Competitive Factors

Table 27. Full Bridge Gate Driver ICs New Entrant and Capacity Expansion Plans

Table 28. Full Bridge Gate Driver ICs Mergers & Acquisitions Activity

Table 29. United States VS China Full Bridge Gate Driver ICs Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 30. United States VS China Full Bridge Gate Driver ICs Production Comparison, (2018 & 2022 & 2029) & (K Units)

Table 31. United States VS China Full Bridge Gate Driver ICs Consumption Comparison, (2018 & 2022 & 2029) & (K Units)

Table 32. United States Based Full Bridge Gate Driver ICs Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Full Bridge Gate Driver ICs Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers Full Bridge Gate Driver ICs Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers Full Bridge Gate Driver ICs Production (2018-2023) & (K Units)

Table 36. United States Based Manufacturers Full Bridge Gate Driver ICs Production Market Share (2018-2023)

Table 37. China Based Full Bridge Gate Driver ICs Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Full Bridge Gate Driver ICs Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers Full Bridge Gate Driver ICs Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers Full Bridge Gate Driver ICs Production (2018-2023) & (K Units)

Table 41. China Based Manufacturers Full Bridge Gate Driver ICs Production Market



Share (2018-2023)

Table 42. Rest of World Based Full Bridge Gate Driver ICs Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers Full Bridge Gate Driver ICs Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers Full Bridge Gate Driver ICs Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers Full Bridge Gate Driver ICs Production (2018-2023) & (K Units)

Table 46. Rest of World Based Manufacturers Full Bridge Gate Driver ICs Production Market Share (2018-2023)

Table 47. World Full Bridge Gate Driver ICs Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World Full Bridge Gate Driver ICs Production by Type (2018-2023) & (K Units)

Table 49. World Full Bridge Gate Driver ICs Production by Type (2024-2029) & (K Units)

Table 50. World Full Bridge Gate Driver ICs Production Value by Type (2018-2023) & (USD Million)

Table 51. World Full Bridge Gate Driver ICs Production Value by Type (2024-2029) & (USD Million)

Table 52. World Full Bridge Gate Driver ICs Average Price by Type (2018-2023) & (US\$/Unit)

Table 53. World Full Bridge Gate Driver ICs Average Price by Type (2024-2029) & (US\$/Unit)

Table 54. World Full Bridge Gate Driver ICs Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World Full Bridge Gate Driver ICs Production by Application (2018-2023) & (K Units)

Table 56. World Full Bridge Gate Driver ICs Production by Application (2024-2029) & (K Units)

Table 57. World Full Bridge Gate Driver ICs Production Value by Application (2018-2023) & (USD Million)

Table 58. World Full Bridge Gate Driver ICs Production Value by Application (2024-2029) & (USD Million)

Table 59. World Full Bridge Gate Driver ICs Average Price by Application (2018-2023) & (US\$/Unit)

Table 60. World Full Bridge Gate Driver ICs Average Price by Application (2024-2029) & (US\$/Unit)



- Table 61. Infineon Basic Information, Manufacturing Base and Competitors
- Table 62. Infineon Major Business
- Table 63. Infineon Full Bridge Gate Driver ICs Product and Services
- Table 64. Infineon Full Bridge Gate Driver ICs Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 65. Infineon Recent Developments/Updates
- Table 66. Infineon Competitive Strengths & Weaknesses
- Table 67. Onsemi Basic Information, Manufacturing Base and Competitors
- Table 68. Onsemi Major Business
- Table 69. Onsemi Full Bridge Gate Driver ICs Product and Services
- Table 70. Onsemi Full Bridge Gate Driver ICs Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 71. Onsemi Recent Developments/Updates
- Table 72. Onsemi Competitive Strengths & Weaknesses
- Table 73. Telefunken Basic Information, Manufacturing Base and Competitors
- Table 74. Telefunken Major Business
- Table 75. Telefunken Full Bridge Gate Driver ICs Product and Services
- Table 76. Telefunken Full Bridge Gate Driver ICs Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 77. Telefunken Recent Developments/Updates
- Table 78. Telefunken Competitive Strengths & Weaknesses
- Table 79. Analog Devices, Inc. (ADI) Basic Information, Manufacturing Base and Competitors
- Table 80. Analog Devices, Inc. (ADI) Major Business
- Table 81. Analog Devices, Inc. (ADI) Full Bridge Gate Driver ICs Product and Services
- Table 82. Analog Devices, Inc. (ADI) Full Bridge Gate Driver ICs Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 83. Analog Devices, Inc. (ADI) Recent Developments/Updates
- Table 84. Analog Devices, Inc. (ADI) Competitive Strengths & Weaknesses
- Table 85. Texas Instruments Semiconductor Technologies Basic Information, Manufacturing Base and Competitors
- Table 86. Texas Instruments Semiconductor Technologies Major Business
- Table 87. Texas Instruments Semiconductor Technologies Full Bridge Gate Driver ICs Product and Services
- Table 88. Texas Instruments Semiconductor Technologies Full Bridge Gate Driver ICs Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 89. Texas Instruments Semiconductor Technologies Recent

## Developments/Updates

Table 90. Texas Instruments Semiconductor Technologies Competitive Strengths & Weaknesses

Table 91. Renesas Electronics Basic Information, Manufacturing Base and Competitors

Table 92. Renesas Electronics Major Business

Table 93. Renesas Electronics Full Bridge Gate Driver ICs Product and Services

Table 94. Renesas Electronics Full Bridge Gate Driver ICs Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 95. Renesas Electronics Recent Developments/Updates

Table 96. Renesas Electronics Competitive Strengths & Weaknesses

Table 97. Monolithic Power Systems (MPS) Basic Information, Manufacturing Base and Competitors

Table 98. Monolithic Power Systems (MPS) Major Business

Table 99. Monolithic Power Systems (MPS) Full Bridge Gate Driver ICs Product and Services

Table 100. Monolithic Power Systems (MPS) Full Bridge Gate Driver ICs Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 101. Monolithic Power Systems (MPS) Recent Developments/Updates

Table 102. Monolithic Power Systems (MPS) Competitive Strengths & Weaknesses

Table 103. IXYS Corporation Basic Information, Manufacturing Base and Competitors

Table 104. IXYS Corporation Major Business

Table 105. IXYS Corporation Full Bridge Gate Driver ICs Product and Services

Table 106. IXYS Corporation Full Bridge Gate Driver ICs Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 107. IXYS Corporation Recent Developments/Updates

Table 108. IXYS Corporation Competitive Strengths & Weaknesses

Table 109. STMicroelectronics Basic Information, Manufacturing Base and Competitors

Table 110. STMicroelectronics Major Business

Table 111. STMicroelectronics Full Bridge Gate Driver ICs Product and Services

Table 112. STMicroelectronics Full Bridge Gate Driver ICs Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 113. STMicroelectronics Recent Developments/Updates

Table 114. STMicroelectronics Competitive Strengths & Weaknesses

Table 115. NXP Semiconductors Basic Information, Manufacturing Base and Competitors

Table 116. NXP Semiconductors Major Business

Table 117. NXP Semiconductors Full Bridge Gate Driver ICs Product and Services

Table 118. NXP Semiconductors Full Bridge Gate Driver ICs Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 119. NXP Semiconductors Recent Developments/Updates

Table 120. NXP Semiconductors Competitive Strengths & Weaknesses

Table 121. Xian Aerosemi Technology Basic Information, Manufacturing Base and Competitors

Table 122. Xian Aerosemi Technology Major Business

Table 123. Xian Aerosemi Technology Full Bridge Gate Driver ICs Product and Services

Table 124. Xian Aerosemi Technology Full Bridge Gate Driver ICs Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 125. Xian Aerosemi Technology Recent Developments/Updates

Table 126. Xian Aerosemi Technology Competitive Strengths & Weaknesses

Table 127. Shanghai Natlinear Electronics Basic Information, Manufacturing Base and Competitors

Table 128. Shanghai Natlinear Electronics Major Business

Table 129. Shanghai Natlinear Electronics Full Bridge Gate Driver ICs Product and Services

Table 130. Shanghai Natlinear Electronics Full Bridge Gate Driver ICs Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 131. Shanghai Natlinear Electronics Recent Developments/Updates

Table 132. Shanghai Natlinear Electronics Competitive Strengths & Weaknesses

Table 133. EGmicro Basic Information, Manufacturing Base and Competitors

Table 134. EGmicro Major Business

Table 135. EGmicro Full Bridge Gate Driver ICs Product and Services

Table 136. EGmicro Full Bridge Gate Driver ICs Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 137. EGmicro Recent Developments/Updates

Table 138. Shanghai Sillumin Semiconductor Basic Information, Manufacturing Base and Competitors

Table 139. Shanghai Sillumin Semiconductor Major Business

Table 140. Shanghai Sillumin Semiconductor Full Bridge Gate Driver ICs Product and Services

Table 141. Shanghai Sillumin Semiconductor Full Bridge Gate Driver ICs Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market

Share (2018-2023)

Table 142. Global Key Players of Full Bridge Gate Driver ICs Upstream (Raw Materials)

Table 143. Full Bridge Gate Driver ICs Typical Customers

Table 144. Full Bridge Gate Driver ICs Typical Distributors

List of Figure

Figure 1. Full Bridge Gate Driver ICs Picture

Figure 2. World Full Bridge Gate Driver ICs Production Value: 2018 & 2022 & 2029, (USD Million)

Figure 3. World Full Bridge Gate Driver ICs Production Value and Forecast (2018-2029) & (USD Million)

Figure 4. World Full Bridge Gate Driver ICs Production (2018-2029) & (K Units)

Figure 5. World Full Bridge Gate Driver ICs Average Price (2018-2029) & (US\$/Unit)

Figure 6. World Full Bridge Gate Driver ICs Production Value Market Share by Region (2018-2029)

Figure 7. World Full Bridge Gate Driver ICs Production Market Share by Region (2018-2029)

Figure 8. North America Full Bridge Gate Driver ICs Production (2018-2029) & (K Units)

Figure 9. Europe Full Bridge Gate Driver ICs Production (2018-2029) & (K Units)

Figure 10. China Full Bridge Gate Driver ICs Production (2018-2029) & (K Units)

Figure 11. Japan Full Bridge Gate Driver ICs Production (2018-2029) & (K Units)

Figure 12. South Korea Full Bridge Gate Driver ICs Production (2018-2029) & (K Units)

Figure 13. Full Bridge Gate Driver ICs Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World Full Bridge Gate Driver ICs Consumption (2018-2029) & (K Units)

Figure 16. World Full Bridge Gate Driver ICs Consumption Market Share by Region (2018-2029)

Figure 17. United States Full Bridge Gate Driver ICs Consumption (2018-2029) & (K Units)

Figure 18. China Full Bridge Gate Driver ICs Consumption (2018-2029) & (K Units)

Figure 19. Europe Full Bridge Gate Driver ICs Consumption (2018-2029) & (K Units)

Figure 20. Japan Full Bridge Gate Driver ICs Consumption (2018-2029) & (K Units)

Figure 21. South Korea Full Bridge Gate Driver ICs Consumption (2018-2029) & (K Units)

Figure 22. ASEAN Full Bridge Gate Driver ICs Consumption (2018-2029) & (K Units)

Figure 23. India Full Bridge Gate Driver ICs Consumption (2018-2029) & (K Units)

Figure 24. Producer Shipments of Full Bridge Gate Driver ICs by Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 25. Global Four-firm Concentration Ratios (CR4) for Full Bridge Gate Driver ICs Markets in 2022

Figure 26. Global Four-firm Concentration Ratios (CR8) for Full Bridge Gate Driver ICs Markets in 2022

Figure 27. United States VS China: Full Bridge Gate Driver ICs Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: Full Bridge Gate Driver ICs Production Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States VS China: Full Bridge Gate Driver ICs Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 30. United States Based Manufacturers Full Bridge Gate Driver ICs Production Market Share 2022

Figure 31. China Based Manufacturers Full Bridge Gate Driver ICs Production Market Share 2022

Figure 32. Rest of World Based Manufacturers Full Bridge Gate Driver ICs Production Market Share 2022

Figure 33. World Full Bridge Gate Driver ICs Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 34. World Full Bridge Gate Driver ICs Production Value Market Share by Type in 2022

Figure 35. Quad Flat No-lead Package Full Bridge Gate Driver ICs

Figure 36. Small Outline Transistor Package Full Bridge Gate Driver ICs

Figure 37. Others

Figure 38. World Full Bridge Gate Driver ICs Production Market Share by Type (2018-2029)

Figure 39. World Full Bridge Gate Driver ICs Production Value Market Share by Type (2018-2029)

Figure 40. World Full Bridge Gate Driver ICs Average Price by Type (2018-2029) & (US\$/Unit)

Figure 41. World Full Bridge Gate Driver ICs Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 42. World Full Bridge Gate Driver ICs Production Value Market Share by Application in 2022

Figure 43. Industrial

Figure 44. Consumer Electronics

Figure 45. Automotive

Figure 46. Aerospace

Figure 47. Others

Figure 48. World Full Bridge Gate Driver ICs Production Market Share by Application (2018-2029)

Figure 49. World Full Bridge Gate Driver ICs Production Value Market Share by

Application (2018-2029)

Figure 50. World Full Bridge Gate Driver ICs Average Price by Application (2018-2029) & (US\$/Unit)

Figure 51. Full Bridge Gate Driver ICs Industry Chain

Figure 52. Full Bridge Gate Driver ICs Procurement Model

Figure 53. Full Bridge Gate Driver ICs Sales Model

Figure 54. Full Bridge Gate Driver ICs Sales Channels, Direct Sales, and Distribution

Figure 55. Methodology

Figure 56. Research Process and Data Source



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