

Global EV High-Voltage Gate Driver ICs Market Research Report 2026(Status and Outlook)

<https://marketpublishers.com/r/G08F29955D93EN.html>

Date: March 2026

Pages: 153

Price: US\$ 3,200.00 (Single User License)

ID: G08F29955D93EN

Abstracts

High-voltage gate driver ICs play a crucial role in Electric Vehicle (EV) powertrains, especially in managing the power delivery from the battery to the traction motor through efficient switching of power devices such as MOSFETs and IGBTs. These gate drivers are designed to work with high-voltage power devices that control the current flowing to the electric motor, ensuring that the power conversion is efficient and reliable.

The global EV High-Voltage Gate Driver ICs market size was estimated at USD 336.0 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 6.30% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global EV High-Voltage Gate Driver ICs market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global EV High-Voltage Gate Driver ICs market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the EV High-Voltage Gate Driver ICs market.

Global EV High-Voltage Gate Driver ICs Market: Market Segmentation Analysis

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

Key Company

STMicroelectronics
Infineon
Rohm Semiconductor
ON Semiconductor
Microchip Technology
Renesas Electronics
NXP Semiconductors
Power Integrations
Skyworks
Analog Devices
Power Integrations
IXYS
Diodes

Market Segmentation (by Type)

Isolated Gate Driver ICs

Non-Isolated Gate Driver ICs

Market Segmentation (by Application)

Main Inverter
DC-DC Converter
Others

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study
Neutral perspective on the market performance
Recent industry trends and developments
Competitive landscape & strategies of key players
Potential & niche segments and regions exhibiting promising growth covered
Historical, current, and projected market size, in terms of value
In-depth analysis of the EV High-Voltage Gate Driver ICs Market
Overview of the regional outlook of the EV High-Voltage Gate Driver ICs Market:

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the EV High-Voltage Gate Driver ICs Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of EV High-Voltage Gate Driver ICs, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail,

including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

- 1.1 Market Definition and Statistical Scope of EV High-Voltage Gate Driver ICs
- 1.2 Key Market Segments
 - 1.2.1 EV High-Voltage Gate Driver ICs Segment by Type
 - 1.2.2 EV High-Voltage Gate Driver ICs Segment by Application
- 1.3 Methodology & Sources of Information
 - 1.3.1 Research Methodology
 - 1.3.2 Research Process
 - 1.3.3 Market Breakdown and Data Triangulation
 - 1.3.4 Base Year
 - 1.3.5 Report Assumptions & Caveats

2 EV HIGH-VOLTAGE GATE DRIVER ICS MARKET OVERVIEW

- 2.1 Global Market Overview
 - 2.1.1 Global EV High-Voltage Gate Driver ICs Market Size (M USD) Estimates and Forecasts (2020-2035)
 - 2.1.2 Global EV High-Voltage Gate Driver ICs Sales Estimates and Forecasts (2020-2035)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

3 EV HIGH-VOLTAGE GATE DRIVER ICS MARKET COMPETITIVE LANDSCAPE

- 3.1 Company Assessment Quadrant
- 3.2 Global EV High-Voltage Gate Driver ICs Product Life Cycle
- 3.3 Global EV High-Voltage Gate Driver ICs Sales by Manufacturers (2020-2025)
- 3.4 Global EV High-Voltage Gate Driver ICs Revenue Market Share by Manufacturers (2020-2025)
- 3.5 EV High-Voltage Gate Driver ICs Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.6 Global EV High-Voltage Gate Driver ICs Average Price by Manufacturers (2020-2025)
- 3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types
- 3.8 EV High-Voltage Gate Driver ICs Market Competitive Situation and Trends
 - 3.8.1 EV High-Voltage Gate Driver ICs Market Concentration Rate

3.8.2 Global 5 and 10 Largest EV High-Voltage Gate Driver ICs Players Market Share by Revenue

3.8.3 Mergers & Acquisitions, Expansion

4 EV HIGH-VOLTAGE GATE DRIVER ICS INDUSTRY CHAIN ANALYSIS

4.1 EV High-Voltage Gate Driver ICs Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF EV HIGH-VOLTAGE GATE DRIVER ICS MARKET

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Industry News

5.4.1 New Product Developments

5.4.2 Mergers & Acquisitions

5.4.3 Expansions

5.4.4 Collaboration/Supply Contracts

5.5 PEST Analysis

5.5.1 Industry Policies Analysis

5.5.2 Economic Environment Analysis

5.5.3 Social Environment Analysis

5.5.4 Technological Environment Analysis

5.6 Global EV High-Voltage Gate Driver ICs Market Porter's Five Forces Analysis

5.6.1 Global Trade Frictions

5.6.2 U.S. Tariff Policy ? April 2025

5.6.3 Global Trade Frictions and Their Impacts to EV High-Voltage Gate Driver ICs Market

5.7 ESG Ratings of Leading Companies

6 EV HIGH-VOLTAGE GATE DRIVER ICS MARKET SEGMENTATION BY TYPE

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global EV High-Voltage Gate Driver ICs Sales Market Share by Type (2020-2025)

6.3 Global EV High-Voltage Gate Driver ICs Market Size by Type (2020-2025)

6.4 Global EV High-Voltage Gate Driver ICs Price by Type (2020-2025)

7 EV HIGH-VOLTAGE GATE DRIVER ICS MARKET SEGMENTATION BY APPLICATION

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global EV High-Voltage Gate Driver ICs Market Sales by Application (2020-2025)

7.3 Global EV High-Voltage Gate Driver ICs Market Size (M USD) by Application (2020-2025)

7.4 Global EV High-Voltage Gate Driver ICs Sales Growth Rate by Application (2020-2025)

8 EV HIGH-VOLTAGE GATE DRIVER ICS MARKET SALES BY REGION

8.1 Global EV High-Voltage Gate Driver ICs Sales by Region

8.1.1 Global EV High-Voltage Gate Driver ICs Sales by Region

8.1.2 Global EV High-Voltage Gate Driver ICs Sales Market Share by Region

8.2 Global EV High-Voltage Gate Driver ICs Market Size by Region

8.2.1 Global EV High-Voltage Gate Driver ICs Market Size by Region

8.2.2 Global EV High-Voltage Gate Driver ICs Market Size by Region

8.3 North America

8.3.1 North America EV High-Voltage Gate Driver ICs Sales by Country

8.3.2 North America EV High-Voltage Gate Driver ICs Market Size by Country

8.3.3 U.S. Market Overview

8.3.4 Canada Market Overview

8.3.5 Mexico Market Overview

8.4 Europe

8.4.1 Europe EV High-Voltage Gate Driver ICs Sales by Country

8.4.2 Europe EV High-Voltage Gate Driver ICs Market Size by Country

8.4.3 Germany Market Overview

8.4.4 France Market Overview

8.4.5 U.K. Market Overview

8.4.6 Italy Market Overview

8.4.7 Spain Market Overview

8.5 Asia Pacific

8.5.1 Asia Pacific EV High-Voltage Gate Driver ICs Sales by Region

8.5.2 Asia Pacific EV High-Voltage Gate Driver ICs Market Size by Region

8.5.3 China Market Overview

8.5.4 Japan Market Overview

- 8.5.5 South Korea Market Overview
- 8.5.6 India Market Overview
- 8.5.7 Southeast Asia Market Overview
- 8.6 South America
 - 8.6.1 South America EV High-Voltage Gate Driver ICs Sales by Country
 - 8.6.2 South America EV High-Voltage Gate Driver ICs Market Size by Country
 - 8.6.3 Brazil Market Overview
 - 8.6.4 Argentina Market Overview
 - 8.6.5 Columbia Market Overview
- 8.7 Middle East and Africa
 - 8.7.1 Middle East and Africa EV High-Voltage Gate Driver ICs Sales by Region
 - 8.7.2 Middle East and Africa EV High-Voltage Gate Driver ICs Market Size by Region
 - 8.7.3 Saudi Arabia Market Overview
 - 8.7.4 UAE Market Overview
 - 8.7.5 Egypt Market Overview
 - 8.7.6 Nigeria Market Overview
 - 8.7.7 South Africa Market Overview

9 EV HIGH-VOLTAGE GATE DRIVER ICS MARKET PRODUCTION BY REGION

- 9.1 Global Production of EV High-Voltage Gate Driver ICs by Region(2020-2025)
- 9.2 Global EV High-Voltage Gate Driver ICs Revenue Market Share by Region (2020-2025)
- 9.3 Global EV High-Voltage Gate Driver ICs Production, Revenue, Price and Gross Margin (2020-2025)
- 9.4 North America EV High-Voltage Gate Driver ICs Production
 - 9.4.1 North America EV High-Voltage Gate Driver ICs Production Growth Rate (2020-2025)
 - 9.4.2 North America EV High-Voltage Gate Driver ICs Production, Revenue, Price and Gross Margin (2020-2025)
- 9.5 Europe EV High-Voltage Gate Driver ICs Production
 - 9.5.1 Europe EV High-Voltage Gate Driver ICs Production Growth Rate (2020-2025)
 - 9.5.2 Europe EV High-Voltage Gate Driver ICs Production, Revenue, Price and Gross Margin (2020-2025)
- 9.6 Japan EV High-Voltage Gate Driver ICs Production (2020-2025)
 - 9.6.1 Japan EV High-Voltage Gate Driver ICs Production Growth Rate (2020-2025)
 - 9.6.2 Japan EV High-Voltage Gate Driver ICs Production, Revenue, Price and Gross Margin (2020-2025)
- 9.7 China EV High-Voltage Gate Driver ICs Production (2020-2025)

- 9.7.1 China EV High-Voltage Gate Driver ICs Production Growth Rate (2020-2025)
- 9.7.2 China EV High-Voltage Gate Driver ICs Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

10.1 STMicroelectronics

- 10.1.1 STMicroelectronics Basic Information
- 10.1.2 STMicroelectronics EV High-Voltage Gate Driver ICs Product Overview
- 10.1.3 STMicroelectronics EV High-Voltage Gate Driver ICs Product Market Performance
- 10.1.4 STMicroelectronics Business Overview
- 10.1.5 STMicroelectronics SWOT Analysis
- 10.1.6 STMicroelectronics Recent Developments

10.2 Infineon

- 10.2.1 Infineon Basic Information
- 10.2.2 Infineon EV High-Voltage Gate Driver ICs Product Overview
- 10.2.3 Infineon EV High-Voltage Gate Driver ICs Product Market Performance
- 10.2.4 Infineon Business Overview
- 10.2.5 Infineon SWOT Analysis
- 10.2.6 Infineon Recent Developments

10.3 Rohm Semiconductor

- 10.3.1 Rohm Semiconductor Basic Information
- 10.3.2 Rohm Semiconductor EV High-Voltage Gate Driver ICs Product Overview
- 10.3.3 Rohm Semiconductor EV High-Voltage Gate Driver ICs Product Market Performance
- 10.3.4 Rohm Semiconductor Business Overview
- 10.3.5 Rohm Semiconductor SWOT Analysis
- 10.3.6 Rohm Semiconductor Recent Developments

10.4 ON Semiconductor

- 10.4.1 ON Semiconductor Basic Information
- 10.4.2 ON Semiconductor EV High-Voltage Gate Driver ICs Product Overview
- 10.4.3 ON Semiconductor EV High-Voltage Gate Driver ICs Product Market Performance
- 10.4.4 ON Semiconductor Business Overview
- 10.4.5 ON Semiconductor Recent Developments

10.5 Microchip Technology

- 10.5.1 Microchip Technology Basic Information
- 10.5.2 Microchip Technology EV High-Voltage Gate Driver ICs Product Overview

10.5.3 Microchip Technology EV High-Voltage Gate Driver ICs Product Market Performance

10.5.4 Microchip Technology Business Overview

10.5.5 Microchip Technology Recent Developments

10.6 Renesas Electronics

10.6.1 Renesas Electronics Basic Information

10.6.2 Renesas Electronics EV High-Voltage Gate Driver ICs Product Overview

10.6.3 Renesas Electronics EV High-Voltage Gate Driver ICs Product Market Performance

10.6.4 Renesas Electronics Business Overview

10.6.5 Renesas Electronics Recent Developments

10.6.5 Renesas Electronics Recent Developments

10.7 NXP Semiconductors

10.7.1 NXP Semiconductors Basic Information

10.7.2 NXP Semiconductors EV High-Voltage Gate Driver ICs Product Overview

10.7.3 NXP Semiconductors EV High-Voltage Gate Driver ICs Product Market Performance

10.7.4 NXP Semiconductors Business Overview

10.7.5 NXP Semiconductors Recent Developments

10.7.5 NXP Semiconductors Recent Developments

10.8 Power Integrations

10.8.1 Power Integrations Basic Information

10.8.2 Power Integrations EV High-Voltage Gate Driver ICs Product Overview

10.8.3 Power Integrations EV High-Voltage Gate Driver ICs Product Market Performance

10.8.4 Power Integrations Business Overview

10.8.5 Power Integrations Recent Developments

10.8.5 Power Integrations Recent Developments

10.9 Skyworks

10.9.1 Skyworks Basic Information

10.9.2 Skyworks EV High-Voltage Gate Driver ICs Product Overview

10.9.3 Skyworks EV High-Voltage Gate Driver ICs Product Market Performance

10.9.4 Skyworks Business Overview

10.9.5 Skyworks Recent Developments

10.10 Analog Devices

10.10.1 Analog Devices Basic Information

10.10.2 Analog Devices EV High-Voltage Gate Driver ICs Product Overview

10.10.3 Analog Devices EV High-Voltage Gate Driver ICs Product Market Performance

10.10.4 Analog Devices Business Overview

10.10.5 Analog Devices Recent Developments

10.10.5 Analog Devices Recent Developments

10.11 Power Integrations

- 10.11.1 Power Integrations Basic Information
- 10.11.2 Power Integrations EV High-Voltage Gate Driver ICs Product Overview
- 10.11.3 Power Integrations EV High-Voltage Gate Driver ICs Product Market Performance
- 10.11.4 Power Integrations Business Overview
- 10.11.5 Power Integrations Recent Developments
- 10.12 IXYS
 - 10.12.1 IXYS Basic Information
 - 10.12.2 IXYS EV High-Voltage Gate Driver ICs Product Overview
 - 10.12.3 IXYS EV High-Voltage Gate Driver ICs Product Market Performance
 - 10.12.4 IXYS Business Overview
 - 10.12.5 IXYS Recent Developments
- 10.13 Diodes
 - 10.13.1 Diodes Basic Information
 - 10.13.2 Diodes EV High-Voltage Gate Driver ICs Product Overview
 - 10.13.3 Diodes EV High-Voltage Gate Driver ICs Product Market Performance
 - 10.13.4 Diodes Business Overview
 - 10.13.5 Diodes Recent Developments

11 EV HIGH-VOLTAGE GATE DRIVER ICs MARKET FORECAST BY REGION

- 11.1 Global EV High-Voltage Gate Driver ICs Market Size Forecast
- 11.2 Global EV High-Voltage Gate Driver ICs Market Forecast by Region
 - 11.2.1 North America Market Size Forecast by Country
 - 11.2.2 Europe EV High-Voltage Gate Driver ICs Market Size Forecast by Country
 - 11.2.3 Asia Pacific EV High-Voltage Gate Driver ICs Market Size Forecast by Region
 - 11.2.4 South America EV High-Voltage Gate Driver ICs Market Size Forecast by Country
 - 11.2.5 Middle East and Africa Forecasted Sales of EV High-Voltage Gate Driver ICs by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2035)

- 12.1 Global EV High-Voltage Gate Driver ICs Market Forecast by Type (2026-2035)
 - 12.1.1 Global Forecasted Sales of EV High-Voltage Gate Driver ICs by Type (2026-2035)
 - 12.1.2 Global EV High-Voltage Gate Driver ICs Market Size Forecast by Type (2026-2035)
 - 12.1.3 Global Forecasted Price of EV High-Voltage Gate Driver ICs by Type

(2026-2035)

12.2 Global EV High-Voltage Gate Driver ICs Market Forecast by Application

(2026-2035)

12.2.1 Global EV High-Voltage Gate Driver ICs Sales (K Units) Forecast by Application

12.2.2 Global EV High-Voltage Gate Driver ICs Market Size (M USD) Forecast by Application (2026-2035)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Global EV High-Voltage Gate Driver ICs Market Size by Type (M USD)

Table 4. Global EV High-Voltage Gate Driver ICs Market Size by Application

Table 5. EV High-Voltage Gate Driver ICs Market Size Comparison by Region (M USD)

Table 6. Global EV High-Voltage Gate Driver ICs Sales (K Units) by Manufacturers (2020-2025)

Table 7. Global EV High-Voltage Gate Driver ICs Sales Market Share by Manufacturers (2020-2025)

Table 8. Global EV High-Voltage Gate Driver ICs Revenue (M USD) by Manufacturers (2020-2025)

Table 9. Global EV High-Voltage Gate Driver ICs Revenue Share by Manufacturers (2020-2025)

Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in EV High-Voltage Gate Driver ICs as of 2025)

Table 11. Global Market EV High-Voltage Gate Driver ICs Average Price (USD/Unit) of Key Manufacturers (2020-2025)

Table 12. Manufacturers? Manufacturing Sites, Areas Served

Table 13. Manufacturers? Product Type

Table 14. Global EV High-Voltage Gate Driver ICs Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 15. Mergers & Acquisitions, Expansion Plans

Table 16. Market Overview of Key Raw Materials

Table 17. Midstream Market Analysis

Table 18. Downstream Customer Analysis

Table 19. Key Development Trends

Table 20. Driving Factors

Table 21. EV High-Voltage Gate Driver ICs Market Challenges

Table 22. Goldman Sachs' forecast real GDP growth rate for 2025-2026

Table 23. S&P Global ' Forecast Real GDP Growth Rate For 2025-2027

Table 24. World Bank ' Forecast Real GDP Growth Rate For 2025-2026

Table 25. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries

Table 26. Global EV High-Voltage Gate Driver ICs Sales by Type (K Units)

Table 27. Global EV High-Voltage Gate Driver ICs Market Size by Type (M USD)

Table 28. Global EV High-Voltage Gate Driver ICs Sales (K Units) by Type (2020-2025)

Table 29. Global EV High-Voltage Gate Driver ICs Sales Market Share by Type (2020-2025)

Table 30. Global EV High-Voltage Gate Driver ICs Market Size (M USD) by Type (2020-2025)

Table 31. Global EV High-Voltage Gate Driver ICs Market Share by Type (2020-2025)

Table 32. Global EV High-Voltage Gate Driver ICs Price (USD/Unit) by Type (2020-2025)

Table 33. Global EV High-Voltage Gate Driver ICs Sales (K Units) by Application

Table 34. Global EV High-Voltage Gate Driver ICs Market Size by Application

Table 35. Global EV High-Voltage Gate Driver ICs Sales by Application (2020-2025) & (K Units)

Table 36. Global EV High-Voltage Gate Driver ICs Sales Market Share by Application (2020-2025)

Table 37. Global EV High-Voltage Gate Driver ICs Market Size by Application (2020-2025) & (M USD)

Table 38. Global EV High-Voltage Gate Driver ICs Market Share by Application (2020-2025)

Table 39. Global EV High-Voltage Gate Driver ICs Sales Growth Rate by Application (2020-2025)

Table 40. Global EV High-Voltage Gate Driver ICs Sales by Region (2020-2025) & (K Units)

Table 41. Global EV High-Voltage Gate Driver ICs Sales Market Share by Region (2020-2025)

Table 42. Global EV High-Voltage Gate Driver ICs Market Size by Region (2020-2025) & (M USD)

Table 43. Global EV High-Voltage Gate Driver ICs Market Size by Region (2020-2025)

Table 44. North America EV High-Voltage Gate Driver ICs Sales by Country (2020-2025) & (K Units)

Table 45. North America EV High-Voltage Gate Driver ICs Market Size by Country (2020-2025) & (M USD)

Table 46. Europe EV High-Voltage Gate Driver ICs Sales by Country (2020-2025) & (K Units)

Table 47. Europe EV High-Voltage Gate Driver ICs Market Size by Country (2020-2025) & (M USD)

Table 48. Asia Pacific EV High-Voltage Gate Driver ICs Sales by Region (2020-2025) & (K Units)

Table 49. Asia Pacific EV High-Voltage Gate Driver ICs Market Size by Region (2020-2025) & (M USD)

- Table 50. South America EV High-Voltage Gate Driver ICs Sales by Country (2020-2025) & (K Units)
- Table 51. South America EV High-Voltage Gate Driver ICs Market Size by Country (2020-2025) & (M USD)
- Table 52. Middle East and Africa EV High-Voltage Gate Driver ICs Sales by Region (2020-2025) & (K Units)
- Table 53. Middle East and Africa EV High-Voltage Gate Driver ICs Market Size by Region (2020-2025) & (M USD)
- Table 54. Global EV High-Voltage Gate Driver ICs Production (K Units) by Region(2020-2025)
- Table 55. Global EV High-Voltage Gate Driver ICs Revenue (US\$ Million) by Region (2020-2025)
- Table 56. Global EV High-Voltage Gate Driver ICs Revenue Market Share by Region (2020-2025)
- Table 57. Global EV High-Voltage Gate Driver ICs Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 58. North America EV High-Voltage Gate Driver ICs Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 59. Europe EV High-Voltage Gate Driver ICs Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 60. Japan EV High-Voltage Gate Driver ICs Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 61. China EV High-Voltage Gate Driver ICs Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 62. STMicroelectronics Basic Information
- Table 63. STMicroelectronics EV High-Voltage Gate Driver ICs Product Overview
- Table 64. STMicroelectronics EV High-Voltage Gate Driver ICs Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 65. STMicroelectronics Business Overview
- Table 66. STMicroelectronics SWOT Analysis
- Table 67. STMicroelectronics Recent Developments
- Table 68. Infineon Basic Information
- Table 69. Infineon EV High-Voltage Gate Driver ICs Product Overview
- Table 70. Infineon EV High-Voltage Gate Driver ICs Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 71. Infineon Business Overview
- Table 72. Infineon SWOT Analysis
- Table 73. Infineon Recent Developments
- Table 74. Rohm Semiconductor Basic Information

Table 75. Rohm Semiconductor EV High-Voltage Gate Driver ICs Product Overview

Table 76. Rohm Semiconductor EV High-Voltage Gate Driver ICs Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 77. Rohm Semiconductor Business Overview

Table 78. Rohm Semiconductor SWOT Analysis

Table 79. Rohm Semiconductor Recent Developments

Table 80. ON Semiconductor Basic Information

Table 81. ON Semiconductor EV High-Voltage Gate Driver ICs Product Overview

Table 82. ON Semiconductor EV High-Voltage Gate Driver ICs Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 83. ON Semiconductor Business Overview

Table 84. ON Semiconductor Recent Developments

Table 85. Microchip Technology Basic Information

Table 86. Microchip Technology EV High-Voltage Gate Driver ICs Product Overview

Table 87. Microchip Technology EV High-Voltage Gate Driver ICs Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 88. Microchip Technology Business Overview

Table 89. Microchip Technology Recent Developments

Table 90. Renesas Electronics Basic Information

Table 91. Renesas Electronics EV High-Voltage Gate Driver ICs Product Overview

Table 92. Renesas Electronics EV High-Voltage Gate Driver ICs Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 93. Renesas Electronics Business Overview

Table 94. Renesas Electronics Recent Developments

Table 95. NXP Semiconductors Basic Information

Table 96. NXP Semiconductors EV High-Voltage Gate Driver ICs Product Overview

Table 97. NXP Semiconductors EV High-Voltage Gate Driver ICs Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 98. NXP Semiconductors Business Overview

Table 99. NXP Semiconductors Recent Developments

Table 100. Power Integrations Basic Information

Table 101. Power Integrations EV High-Voltage Gate Driver ICs Product Overview

Table 102. Power Integrations EV High-Voltage Gate Driver ICs Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 103. Power Integrations Business Overview

Table 104. Power Integrations Recent Developments

Table 105. Skyworks Basic Information

Table 106. Skyworks EV High-Voltage Gate Driver ICs Product Overview

Table 107. Skyworks EV High-Voltage Gate Driver ICs Sales (K Units), Revenue (M

USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 108. Skyworks Business Overview

Table 109. Skyworks Recent Developments

Table 110. Analog Devices Basic Information

Table 111. Analog Devices EV High-Voltage Gate Driver ICs Product Overview

Table 112. Analog Devices EV High-Voltage Gate Driver ICs Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 113. Analog Devices Business Overview

Table 114. Analog Devices Recent Developments

Table 115. Power Integrations Basic Information

Table 116. Power Integrations EV High-Voltage Gate Driver ICs Product Overview

Table 117. Power Integrations EV High-Voltage Gate Driver ICs Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 118. Power Integrations Business Overview

Table 119. Power Integrations Recent Developments

Table 120. IXYS Basic Information

Table 121. IXYS EV High-Voltage Gate Driver ICs Product Overview

Table 122. IXYS EV High-Voltage Gate Driver ICs Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 123. IXYS Business Overview

Table 124. IXYS Recent Developments

Table 125. Diodes Basic Information

Table 126. Diodes EV High-Voltage Gate Driver ICs Product Overview

Table 127. Diodes EV High-Voltage Gate Driver ICs Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 128. Diodes Business Overview

Table 129. Diodes Recent Developments

Table 130. Global EV High-Voltage Gate Driver ICs Sales Forecast by Region (2026-2035) & (K Units)

Table 131. Global EV High-Voltage Gate Driver ICs Market Size Forecast by Region (2026-2035) & (M USD)

Table 132. North America EV High-Voltage Gate Driver ICs Sales Forecast by Country (2026-2035) & (K Units)

Table 133. North America EV High-Voltage Gate Driver ICs Market Size Forecast by Country (2026-2035) & (M USD)

Table 134. Europe EV High-Voltage Gate Driver ICs Sales Forecast by Country (2026-2035) & (K Units)

Table 135. Europe EV High-Voltage Gate Driver ICs Market Size Forecast by Country (2026-2035) & (M USD)

Table 136. Asia Pacific EV High-Voltage Gate Driver ICs Sales Forecast by Region (2026-2035) & (K Units)

Table 137. Asia Pacific EV High-Voltage Gate Driver ICs Market Size Forecast by Region (2026-2035) & (M USD)

Table 138. South America EV High-Voltage Gate Driver ICs Sales Forecast by Country (2026-2035) & (K Units)

Table 139. South America EV High-Voltage Gate Driver ICs Market Size Forecast by Country (2026-2035) & (M USD)

Table 140. Middle East and Africa EV High-Voltage Gate Driver ICs Sales Forecast by Country (2026-2035) & (Units)

Table 141. Middle East and Africa EV High-Voltage Gate Driver ICs Market Size Forecast by Country (2026-2035) & (M USD)

Table 142. Global EV High-Voltage Gate Driver ICs Sales Forecast by Type (2026-2035) & (K Units)

Table 143. Global EV High-Voltage Gate Driver ICs Market Size Forecast by Type (2026-2035) & (M USD)

Table 144. Global EV High-Voltage Gate Driver ICs Price Forecast by Type (2026-2035) & (USD/Unit)

Table 145. Global EV High-Voltage Gate Driver ICs Sales (K Units) Forecast by Application (2026-2035)

Table 146. Global EV High-Voltage Gate Driver ICs Market Size Forecast by Application (2026-2035) & (M USD)

List Of Figures

LIST OF FIGURES

Figure 1. Product Picture of EV High-Voltage Gate Driver ICs

Figure 2. Data Triangulation

Figure 3. Key Caveats

Figure 4. Global EV High-Voltage Gate Driver ICs Market Size (M USD), 2025-2035

Figure 5. Global EV High-Voltage Gate Driver ICs Market Size (M USD) (2020-2035)

Figure 6. Global EV High-Voltage Gate Driver ICs Sales (K Units) & (2020-2035)

Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 9. Evaluation Matrix of Regional Market Development Potential

Figure 10. EV High-Voltage Gate Driver ICs Market Size by Country (M USD)

Figure 11. Company Assessment Quadrant

Figure 12. Global EV High-Voltage Gate Driver ICs Product Life Cycle

Figure 13. EV High-Voltage Gate Driver ICs Sales Share by Manufacturers in 2025

Figure 14. Global EV High-Voltage Gate Driver ICs Revenue Share by Manufacturers in 2025

Figure 15. EV High-Voltage Gate Driver ICs Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2025

Figure 16. Global Market EV High-Voltage Gate Driver ICs Average Price (USD/Unit) of Key Manufacturers in 2025

Figure 17. The Global 5 and 10 Largest Players: Market Share by EV High-Voltage Gate Driver ICs Revenue in 2025

Figure 18. Industry Chain Map of EV High-Voltage Gate Driver ICs

Figure 19. Global EV High-Voltage Gate Driver ICs Market PEST Analysis

Figure 20. Global EV High-Voltage Gate Driver ICs Market Porter's Five Forces Analysis

Figure 21. Global Merchandise Trade as a Percentage Of GDP

Figure 22. US - Imports of Goods by Country

Figure 23. China Exports by Country

Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers

Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 26. Global EV High-Voltage Gate Driver ICs Market Share by Type

Figure 27. Sales Market Share of EV High-Voltage Gate Driver ICs by Type (2020-2025)

Figure 28. Sales Market Share of EV High-Voltage Gate Driver ICs by Type in 2025

Figure 29. Market Share of EV High-Voltage Gate Driver ICs by Type (2020-2025)

- Figure 30. Market Share of EV High-Voltage Gate Driver ICs by Type in 2025
- Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 32. Global EV High-Voltage Gate Driver ICs Market Share by Application
- Figure 33. Global EV High-Voltage Gate Driver ICs Sales Market Share by Application (2020-2025)
- Figure 34. Global EV High-Voltage Gate Driver ICs Sales Market Share by Application in 2025
- Figure 35. Global EV High-Voltage Gate Driver ICs Market Share by Application (2020-2025)
- Figure 36. Global EV High-Voltage Gate Driver ICs Market Share by Application in 2025
- Figure 37. Global EV High-Voltage Gate Driver ICs Sales Growth Rate by Application (2020-2025)
- Figure 38. Global EV High-Voltage Gate Driver ICs Sales Market Share by Region (2020-2025)
- Figure 39. Global EV High-Voltage Gate Driver ICs Market Size by Region (2020-2025)
- Figure 40. North America EV High-Voltage Gate Driver ICs Sales and Growth Rate (2020-2025) & (K Units)
- Figure 41. North America EV High-Voltage Gate Driver ICs Sales and Growth Rate (2020-2025) & (K Units)
- Figure 42. North America EV High-Voltage Gate Driver ICs Sales Market Share by Country in 2024
- Figure 43. North America EV High-Voltage Gate Driver ICs Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 44. North America EV High-Voltage Gate Driver ICs Market Size by Country in 2024
- Figure 45. U.S. EV High-Voltage Gate Driver ICs Sales and Growth Rate (2020-2025) & (K Units)
- Figure 46. U.S. EV High-Voltage Gate Driver ICs Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 47. Canada EV High-Voltage Gate Driver ICs Sales (K Units) and Growth Rate (2020-2025)
- Figure 48. Canada EV High-Voltage Gate Driver ICs Market Size (M USD) and Growth Rate (2020-2025)
- Figure 49. Mexico EV High-Voltage Gate Driver ICs Sales (Units) and Growth Rate (2020-2025)
- Figure 50. Mexico EV High-Voltage Gate Driver ICs Market Size (Units) and Growth Rate (2020-2025)
- Figure 51. Europe EV High-Voltage Gate Driver ICs Sales and Growth Rate (2020-2025) & (K Units)

Figure 52. Europe EV High-Voltage Gate Driver ICs Sales Market Share by Country in 2024

Figure 53. Europe EV High-Voltage Gate Driver ICs Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe EV High-Voltage Gate Driver ICs Market Size by Country in 2024

Figure 55. Germany EV High-Voltage Gate Driver ICs Sales and Growth Rate (2020-2025) & (K Units)

Figure 56. Germany EV High-Voltage Gate Driver ICs Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France EV High-Voltage Gate Driver ICs Sales and Growth Rate (2020-2025) & (K Units)

Figure 58. France EV High-Voltage Gate Driver ICs Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. EV High-Voltage Gate Driver ICs Sales and Growth Rate (2020-2025) & (K Units)

Figure 60. U.K. EV High-Voltage Gate Driver ICs Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy EV High-Voltage Gate Driver ICs Sales and Growth Rate (2020-2025) & (K Units)

Figure 62. Italy EV High-Voltage Gate Driver ICs Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain EV High-Voltage Gate Driver ICs Sales and Growth Rate (2020-2025) & (K Units)

Figure 64. Spain EV High-Voltage Gate Driver ICs Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific EV High-Voltage Gate Driver ICs Sales and Growth Rate (K Units)

Figure 66. Asia Pacific EV High-Voltage Gate Driver ICs Sales Market Share by Region in 2024

Figure 67. Asia Pacific EV High-Voltage Gate Driver ICs Market Size by Region in 2024

Figure 68. China EV High-Voltage Gate Driver ICs Sales and Growth Rate (2020-2025) & (K Units)

Figure 69. China EV High-Voltage Gate Driver ICs Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan EV High-Voltage Gate Driver ICs Sales and Growth Rate (2020-2025) & (K Units)

Figure 71. Japan EV High-Voltage Gate Driver ICs Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea EV High-Voltage Gate Driver ICs Sales and Growth Rate

(2020-2025) & (K Units)

Figure 73. South Korea EV High-Voltage Gate Driver ICs Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India EV High-Voltage Gate Driver ICs Sales and Growth Rate (2020-2025) & (K Units)

Figure 75. India EV High-Voltage Gate Driver ICs Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia EV High-Voltage Gate Driver ICs Sales and Growth Rate (2020-2025) & (K Units)

Figure 77. Southeast Asia EV High-Voltage Gate Driver ICs Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America EV High-Voltage Gate Driver ICs Sales and Growth Rate (K Units)

Figure 79. South America EV High-Voltage Gate Driver ICs Sales Market Share by Country in 2024

Figure 80. South America EV High-Voltage Gate Driver ICs Market Size and Growth Rate (M USD)

Figure 81. South America EV High-Voltage Gate Driver ICs Market Size by Country in 2024

Figure 82. Brazil EV High-Voltage Gate Driver ICs Sales and Growth Rate (2020-2025) & (K Units)

Figure 83. Brazil EV High-Voltage Gate Driver ICs Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina EV High-Voltage Gate Driver ICs Sales and Growth Rate (2020-2025) & (K Units)

Figure 85. Argentina EV High-Voltage Gate Driver ICs Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia EV High-Voltage Gate Driver ICs Sales and Growth Rate (2020-2025) & (K Units)

Figure 87. Columbia EV High-Voltage Gate Driver ICs Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa EV High-Voltage Gate Driver ICs Sales and Growth Rate (K Units)

Figure 89. Middle East and Africa EV High-Voltage Gate Driver ICs Sales Market Share by Region in 2024

Figure 90. Middle East and Africa EV High-Voltage Gate Driver ICs Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa EV High-Voltage Gate Driver ICs Market Size by Region in 2024

Figure 92. Saudi Arabia EV High-Voltage Gate Driver ICs Sales and Growth Rate (2020-2025) & (K Units)

Figure 93. Saudi Arabia EV High-Voltage Gate Driver ICs Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE EV High-Voltage Gate Driver ICs Sales and Growth Rate (2020-2025) & (K Units)

Figure 95. UAE EV High-Voltage Gate Driver ICs Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt EV High-Voltage Gate Driver ICs Sales and Growth Rate (2020-2025) & (K Units)

Figure 97. Egypt EV High-Voltage Gate Driver ICs Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria EV High-Voltage Gate Driver ICs Sales and Growth Rate (2020-2025) & (K Units)

Figure 99. Nigeria EV High-Voltage Gate Driver ICs Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa EV High-Voltage Gate Driver ICs Sales and Growth Rate (2020-2025) & (K Units)

Figure 101. South Africa EV High-Voltage Gate Driver ICs Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global EV High-Voltage Gate Driver ICs Production Market Share by Region (2020-2025)

Figure 103. North America EV High-Voltage Gate Driver ICs Production (K Units) Growth Rate (2020-2025)

Figure 104. Europe EV High-Voltage Gate Driver ICs Production (K Units) Growth Rate (2020-2025)

Figure 105. Japan EV High-Voltage Gate Driver ICs Production (K Units) Growth Rate (2020-2025)

Figure 106. China EV High-Voltage Gate Driver ICs Production (K Units) Growth Rate (2020-2025)

Figure 107. Global EV High-Voltage Gate Driver ICs Sales Forecast by Volume (2020-2035) & (K Units)

Figure 108. Global EV High-Voltage Gate Driver ICs Market Size Forecast by Value (2020-2035) & (M USD)

Figure 109. Global EV High-Voltage Gate Driver ICs Sales Market Share Forecast by Type (2026-2035)

Figure 110. Global EV High-Voltage Gate Driver ICs Market Share Forecast by Type (2026-2035)

Figure 111. Global EV High-Voltage Gate Driver ICs Sales Forecast by Application

(2026-2035)

Figure 112. Global EV High-Voltage Gate Driver ICs Market Share Forecast by Application (2026-2035)

I would like to order

Product name: Global EV High-Voltage Gate Driver ICs Market Research Report 2026(Status and Outlook)

Product link: <https://marketpublishers.com/r/G08F29955D93EN.html>

Price: US\$ 3,200.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G08F29955D93EN.html>