

# **AUTOMOTIVE INVERTER INDUSTRY RESEARCH REPORT 2024**

## Summary

---

The global Automotive Inverter market was Valued at US\$ 4,757.8 million in 2022 and is anticipated to reach US\$ 10,252.5 million by 2029, witnessing a CAGR of 12.34% during the forecast period 2023-2029. The influence of COVID-19 and the Russo-Ukraine War were considered while estimating market sizes.

In 2022 the global Automotive Inverter production capacity were 15,512 k units and it will be 36,144 k units in 2029, with a CAGR of 13.69 % between 2023 and 2029.

North American market for Automotive Inverter is estimated to increase from \$ 546.2 million in 2023 to reach \$ 976.0 million by 2029, at a CAGR of 10.16 % during the forecast period of 2023 through 2029.

Japan market for Automotive Inverter is estimated to increase from \$ 2,588.1 million in 2023 to reach \$ 4,113.2 million by 2029, at a CAGR of 8.03% during the forecast period of 2023 through 2029.

By the end of 2023, there are 115 companies in the world that produce automotive inverters (including joint ventures and foreign holding companies): Japan(23), South Korea(4), China(46), Taiwan(4), Thailand(1), India(3), United States(8), Canada(1), Brazil(2), Germany(9), France(2), Italy(2), Spain(1), UK(3), Netherlands(1), Switzerland(3), Denmark(1), Slovakia(1)

The major global manufacturers of Automotive Inverter include Toyota Industries, Denso, Hitachi Astemo, Valeo, Bosch, Mitsubishi Electric, Zhongshan Broad-Ocean, Suzhou Inovance Automotive, and Hyundai Mobis, etc. In 2022, the world's top three vendors accounted for approximately 65.12% of the revenue.

In the low voltage category, silicon (Si) metal oxide semiconductor field effect transistors (MOSFETs) are the most commonly used inverter type, while insulated gate bipolar transistor (IGBT) inverters are most commonly used in medium and high voltage levels. While this hierarchy between the low-voltage and medium-voltage categories will not change during the years covered by this forecast, in the high-voltage category SiC inverters will become the most commonly used inverters.

In recent years, 400-volt solutions have become widely established as the industry standard. With the same current but doubled voltage, twice the power can now be transmitted. This modification allows the use of thinner cables, saving space, weight and copper. As a result, the inverter is more compact and powerful. With a 400-

volt on-board network, a sufficiently powerful charging point has a maximum charging power of 250 kilowatts. At 800 volts, twice as much voltage is theoretically possible.

At present, IGBT inverters account for nearly 90% of high-voltage inverters, and the remaining 10% are SiC inverters. However, this situation will change significantly by 2034, with SiC inverters expected to account for 55% of the market, while IGBT inverter share is expected to drop to 38%. Additionally, GaN inverters are expected to account for 7% of the high-voltage inverter category.

March 31, 2023 DENSO CORPORATION announces the development of the first inverter using silicon carbide (SiC) semiconductors. The inverter is integrated into the eAxle electric drive module developed by BluE Nexus Corporation and will be used in the new Lexus RZ.

On August 30, 2023, Bosch's 800V technology motors and inverters began mass production at European factories. The 800-volt version of the inverter is based on silicon carbide semiconductors.

Toyota Industries' share in the Japanese market in 2022 is 55.58%, and its global share is 30.72%. Among them, Toyota Industries' total automotive DC-AC inverter production has exceeded 10 million units in April 2013, and its cumulative production in March 2017 has reached 20 million units. In June 2019, Toyota Industries' cumulative production of automotive DC-AC inverters has exceeded 10 million units. Reached 30 million units.

The annual production capacity of Valeo's Changshu factory is expected to be 400,000 units of inverters, and mass production of SiC-based 400/800V inverters will begin in 2024.

## Report Scope

This report aims to provide a comprehensive presentation of the global market for Automotive Inverter, with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding Automotive Inverter.

The Automotive Inverter market size, estimations, and forecasts are provided in terms of sales volume (K Units) and revenue (\$ millions), considering 2022 as the base year, with history and forecast data for the period from 2018 to 2029. This report segments the global Automotive Inverter market comprehensively. Regional market sizes, concerning products by Type, by Application, and by players, are also provided.



For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

The report will help the Automotive Inverter manufacturers, new entrants, and industry chain related companies in this market with information on the revenues, sales volume, and average price for the overall market and the sub-segments across the different segments, by company, by Type, by Application, and by regions.

By Company	by Type			
<ul style="list-style-type: none"> <li>• Toyota Industries</li> <li>• Denso</li> <li>• Hitachi Astemo</li> </ul>	<ul style="list-style-type: none"> <li>• 50-100 kW</li> <li>• Below 50 kW</li> <li>• Above 100 KW</li> </ul>			
<ul style="list-style-type: none"> <li>• Valeo</li> <li>• Bosch</li> <li>• Mitsubishi Electric</li> <li>• Zhongshan Broad-Ocean</li> <li>• Suzhou Inovance Automotive</li> </ul>	<p><b>by Application</b></p> <ul style="list-style-type: none"> <li>• Fully Electric Vehicles</li> <li>• Hybrid Vehicles</li> <li>• Commercial Buses and Trucks</li> <li>• Electric Racing Car</li> </ul>			
<ul style="list-style-type: none"> <li>• Hyundai Mobis</li> <li>• Meidensha</li> <li>• Vitesco Technologies</li> <li>• Marelli</li> <li>• GKN Automotive</li> </ul>	<p><b>Production by Region</b></p> <ul style="list-style-type: none"> <li>• North America</li> <li>• Europe</li> <li>• China</li> <li>• Japan</li> <li>• South Korea</li> </ul>			
<ul style="list-style-type: none"> <li>• Sungchang Autotech</li> <li>• Helix (Integral Powertrain)</li> </ul>	<p><b>Consumption by Region</b></p> <table border="0" style="width: 100%;"> <tr> <td style="vertical-align: top; width: 50%;"> <ul style="list-style-type: none"> <li>• North America                             <ul style="list-style-type: none"> <li><input type="checkbox"/> U.S.</li> <li><input type="checkbox"/> Canada</li> </ul> </li> <li>• Asia-Pacific                             <ul style="list-style-type: none"> <li><input type="checkbox"/> China</li> <li><input type="checkbox"/> Japan</li> <li><input type="checkbox"/> South Korea</li> <li><input type="checkbox"/> Southeast Asia</li> </ul> </li> </ul> </td> <td style="vertical-align: top; width: 50%;"> <ul style="list-style-type: none"> <li>• Europe                             <ul style="list-style-type: none"> <li><input type="checkbox"/> Germany</li> <li><input type="checkbox"/> U.K.</li> <li><input type="checkbox"/> France</li> <li><input type="checkbox"/> Norway</li> <li><input type="checkbox"/> Italy</li> <li><input type="checkbox"/> Sweden</li> <li><input type="checkbox"/> Netherlands</li> </ul> </li> </ul> </td> </tr> </table>		<ul style="list-style-type: none"> <li>• North America                             <ul style="list-style-type: none"> <li><input type="checkbox"/> U.S.</li> <li><input type="checkbox"/> Canada</li> </ul> </li> <li>• Asia-Pacific                             <ul style="list-style-type: none"> <li><input type="checkbox"/> China</li> <li><input type="checkbox"/> Japan</li> <li><input type="checkbox"/> South Korea</li> <li><input type="checkbox"/> Southeast Asia</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Europe                             <ul style="list-style-type: none"> <li><input type="checkbox"/> Germany</li> <li><input type="checkbox"/> U.K.</li> <li><input type="checkbox"/> France</li> <li><input type="checkbox"/> Norway</li> <li><input type="checkbox"/> Italy</li> <li><input type="checkbox"/> Sweden</li> <li><input type="checkbox"/> Netherlands</li> </ul> </li> </ul>
<ul style="list-style-type: none"> <li>• North America                             <ul style="list-style-type: none"> <li><input type="checkbox"/> U.S.</li> <li><input type="checkbox"/> Canada</li> </ul> </li> <li>• Asia-Pacific                             <ul style="list-style-type: none"> <li><input type="checkbox"/> China</li> <li><input type="checkbox"/> Japan</li> <li><input type="checkbox"/> South Korea</li> <li><input type="checkbox"/> Southeast Asia</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Europe                             <ul style="list-style-type: none"> <li><input type="checkbox"/> Germany</li> <li><input type="checkbox"/> U.K.</li> <li><input type="checkbox"/> France</li> <li><input type="checkbox"/> Norway</li> <li><input type="checkbox"/> Italy</li> <li><input type="checkbox"/> Sweden</li> <li><input type="checkbox"/> Netherlands</li> </ul> </li> </ul>			



	<ul style="list-style-type: none"> <li><input type="checkbox"/> India</li> <li><input type="checkbox"/> Australia</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Rest of Europe</li> <li>• Latin America, Middle East &amp; Africa                             <ul style="list-style-type: none"> <li><input type="checkbox"/> Mexico</li> <li><input type="checkbox"/> Brazil</li> <li><input type="checkbox"/> Argentina</li> <li><input type="checkbox"/> Chile</li> <li><input type="checkbox"/> GCC Countries</li> </ul> </li> </ul>
--	--	--

## Core Chapters

Chapter 1: Research objectives, research methods, data sources, data cross-validation;

Chapter 2: Introduces the report scope of the report, executive summary of different market segments (by region, by Type, by 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 market and its likely evolution in the short to mid-term, and long term.

Chapter 3: Detailed analysis of Automotive Inverter manufacturers competitive landscape, price, production and Value market share, latest development plan, merger, and acquisition information, etc.

Chapter 4: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, Value, price, gross margin, product introduction, recent development, etc.

Chapter 5: Production/output, Value of Automotive Inverter by region/country. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 6: Consumption of Automotive Inverter in regional level and country level. It 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 production of each country in the world.



Chapter 7: Provides the analysis of various market segments by Type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 8: Provides the analysis of various market segments by 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 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Introduces the market dynamics, 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 11: The main points and conclusions of the report.

## Table of Contents

### 1 Preface

1.1 Scope of Report

1.2 Reasons for Doing This Study

1.3 Research Methodology

1.4 Research Process

1.5 Data Source

1.5.1 Secondary Sources

1.5.2 Primary Sources

### 2 Market Overview

2.1 Product Definition

2.2 Automotive Inverter by Type

2.2.1 Market Value Comparison by Type (2019 VS 2023 VS 2030) & (US\$ Million)

2.2.2 50-100 kW

2.2.3 Below 50 kW

2.2.4 Above 100 KW

2.3 Automotive Inverter by Application

2.3.1 Market Value Comparison by Application (2019 VS 2023 VS 2030) & (US\$ Million)

2.3.2 Fully Electric Vehicles

2.3.3 Hybrid Vehicles

2.3.4 Commercial Buses and Trucks

2.3.5 Electric Racing Car

2.4 Global Market Growth Prospects

2.4.1 Global Automotive Inverter Production Value Estimates and Forecasts (2019-2030)

2.4.2 Global Automotive Inverter Production Capacity Estimates and Forecasts (2019-2030)

2.4.3 Global Automotive Inverter Production Estimates and Forecasts (2019-2030)

2.4.4 Global Automotive Inverter Market Average Price (2019-2030)

### 3 Market Competitive Landscape by Manufacturers

3.1 Global Automotive Inverter Production by Manufacturers (2019-2024)



- 3.2 Global Automotive Inverter Production Value by Manufacturers (2019-2024)
- 3.3 Global Automotive Inverter Average Price by Manufacturers (2019-2024)
- 3.4 Global Automotive Inverter Industry Manufacturers Ranking, 2022 VS 2023 VS 2024
- 3.5 Global Automotive Inverter Key Manufacturers, Manufacturing Sites & Headquarters
- 3.6 Global Automotive Inverter Manufacturers, Product Type & Application
- 3.7 Global Automotive Inverter Manufacturers, Date of Enter into This Industry
- 3.8 Global Automotive Inverter Market CR5 and HHI
- 3.9 Global Manufacturers Mergers & Acquisition

## **4 Manufacturers Profiled**

### 4.1 Toyota Industries

- 4.1.1 Toyota Industries Automotive Inverter Company Information
- 4.1.2 Toyota Industries Automotive Inverter Business Overview
- 4.1.3 Toyota Industries Automotive Inverter Production, Value and Gross Margin (2019-2024)
- 4.1.4 Toyota Industries Product Portfolio
- 4.1.5 Toyota Industries Recent Developments

### 4.2 Denso

- 4.2.1 Denso Automotive Inverter Company Information
- 4.2.2 Denso Automotive Inverter Business Overview
- 4.2.3 Denso Automotive Inverter Production, Value and Gross Margin (2019-2024)
- 4.2.4 Denso Product Portfolio
- 4.2.5 Denso Recent Developments

### 4.3 Hitachi Astemo

- 4.3.1 Hitachi Astemo Automotive Inverter Company Information
- 4.3.2 Hitachi Astemo Automotive Inverter Business Overview
- 4.3.3 Hitachi Astemo Automotive Inverter Production, Value and Gross Margin (2019-2024)
- 4.3.4 Hitachi Astemo Product Portfolio
- 4.3.5 Hitachi Astemo Recent Developments

### 4.4 Valeo

- 4.4.1 Valeo Automotive Inverter Company Information





- 4.4.2 Valeo Automotive Inverter Business Overview
- 4.4.3 Valeo Automotive Inverter Production, Value and Gross Margin (2019-2024)
- 4.4.4 Valeo Product Portfolio
- 4.4.5 Valeo Recent Developments
- 4.5 Bosch
- 4.5.1 Bosch Automotive Inverter Company Information
- 4.5.2 Bosch Automotive Inverter Business Overview
- 4.5.3 Bosch Automotive Inverter Production, Value and Gross Margin (2019-2024)
- 4.5.4 Bosch Product Portfolio
- 4.5.5 Bosch Recent Developments
- 4.6 Mitsubishi Electric
- 4.6.1 Mitsubishi Electric Automotive Inverter Company Information
- 4.6.2 Mitsubishi Electric Automotive Inverter Business Overview
- 4.6.3 Mitsubishi Electric Automotive Inverter Production, Value and Gross Margin (2019-2024)
- 4.6.4 Mitsubishi Electric Product Portfolio
- 4.6.5 Mitsubishi Electric Recent Developments
- 4.7 Zhongshan Broad-Ocean
- 4.7.1 Zhongshan Broad-Ocean Automotive Inverter Company Information
- 4.7.2 Zhongshan Broad-Ocean Automotive Inverter Business Overview
- 4.7.3 Zhongshan Broad-Ocean Automotive Inverter Production, Value and Gross Margin (2019-2024)
- 4.7.4 Zhongshan Broad-Ocean Product Portfolio
- 4.7.5 Zhongshan Broad-Ocean Recent Developments
- 4.8 Suzhou Inovance Automotive
- 4.8.1 Suzhou Inovance Automotive Automotive Inverter Company Information
- 4.8.2 Suzhou Inovance Automotive Automotive Inverter Business Overview
- 4.8.3 Suzhou Inovance Automotive Automotive Inverter Production, Value and Gross Margin (2019-2024)
- 4.8.4 Suzhou Inovance Automotive Product Portfolio
- 4.8.5 Suzhou Inovance Automotive Recent Developments
- 4.9 Hyundai Mobis



- 4.9.1 Hyundai Mobis Automotive Inverter Company Information
- 4.9.2 Hyundai Mobis Automotive Inverter Business Overview
- 4.9.3 Hyundai Mobis Automotive Inverter Production, Value and Gross Margin (2019-2024)
- 4.9.4 Hyundai Mobis Product Portfolio
- 4.9.5 Hyundai Mobis Recent Developments
- 4.10 Meidensha
  - 4.10.1 Meidensha Automotive Inverter Company Information
  - 4.10.2 Meidensha Automotive Inverter Business Overview
  - 4.10.3 Meidensha Automotive Inverter Production, Value and Gross Margin (2019-2024)
  - 4.10.4 Meidensha Product Portfolio
  - 4.10.5 Meidensha Recent Developments
- 4.11 Vitesco Technologies
  - 4.11.1 Vitesco Technologies Automotive Inverter Company Information
  - 4.11.2 Vitesco Technologies Automotive Inverter Business Overview
  - 4.11.3 Vitesco Technologies Automotive Inverter Production, Value and Gross Margin (2019-2024)
  - 4.11.4 Vitesco Technologies Product Portfolio
  - 4.11.5 Vitesco Technologies Recent Developments
- 4.12 Marelli
  - 4.12.1 Marelli Automotive Inverter Company Information
  - 4.12.2 Marelli Automotive Inverter Business Overview
  - 4.12.3 Marelli Automotive Inverter Production, Value and Gross Margin (2019-2024)
  - 4.12.4 Marelli Product Portfolio
  - 4.12.5 Marelli Recent Developments
- 4.13 GKN Automotive
  - 4.13.1 GKN Automotive Automotive Inverter Company Information
  - 4.13.2 GKN Automotive Automotive Inverter Business Overview
  - 4.13.3 GKN Automotive Automotive Inverter Production, Value and Gross Margin (2019-2024)
  - 4.13.4 GKN Automotive Product Portfolio
  - 4.13.5 GKN Automotive Recent Developments



## 4.14 Sungchang Autotech

### 4.14.1 Sungchang Autotech Automotive Inverter Company Information

### 4.14.2 Sungchang Autotech Automotive Inverter Business Overview

### 4.14.3 Sungchang Autotech Automotive Inverter Production, Value and Gross Margin (2019-2024)

### 4.14.4 Sungchang Autotech Product Portfolio

### 4.14.5 Sungchang Autotech Recent Developments

## 4.15 Helix (Integral Powertrain)

### 4.15.1 Helix (Integral Powertrain) Automotive Inverter Company Information

### 4.15.2 Helix (Integral Powertrain) Automotive Inverter Business Overview

### 4.15.3 Helix (Integral Powertrain) Automotive Inverter Production, Value and Gross Margin (2019-2024)

### 4.15.4 Helix (Integral Powertrain) Product Portfolio

### 4.15.5 Helix (Integral Powertrain) Recent Developments

## **5 Global Automotive Inverter Production by Region**

### 5.1 Global Automotive Inverter Production Estimates and Forecasts by Region: 2019 VS 2023 VS 2030

### 5.2 Global Automotive Inverter Production by Region: 2019-2030

#### 5.2.1 Global Automotive Inverter Production by Region: 2019-2024

#### 5.2.2 Global Automotive Inverter Production Forecast by Region (2025-2030)

### 5.3 Global Automotive Inverter Production Value Estimates and Forecasts by Region: 2019 VS 2023 VS 2030

### 5.4 Global Automotive Inverter Production Value by Region: 2019-2030

#### 5.4.1 Global Automotive Inverter Production Value by Region: 2019-2024

#### 5.4.2 Global Automotive Inverter Production Value Forecast by Region (2025-2030)

### 5.5 Global Automotive Inverter Market Price Analysis by Region (2019-2024)

### 5.6 Global Automotive Inverter Production and Value, YOY Growth

#### 5.6.1 North America Automotive Inverter Production Value Estimates and Forecasts (2019-2030)

#### 5.6.2 Europe Automotive Inverter Production Value Estimates and Forecasts (2019-2030)

#### 5.6.3 China Automotive Inverter Production Value Estimates and Forecasts (2019-2030)

#### 5.6.4 Japan Automotive Inverter Production Value Estimates and Forecasts (2019-2030)

#### 5.6.5 South Korea Automotive Inverter Production Value Estimates and Forecasts (2019-2030)

#### 5.6.6 India Automotive Inverter Production Value Estimates and Forecasts (2019-2030)



## **6 Global Automotive Inverter Consumption by Region**

6.1 Global Automotive Inverter Consumption Estimates and Forecasts by Region: 2019 VS 2023 VS 2030

6.2 Global Automotive Inverter Consumption by Region (2019-2030)

6.2.1 Global Automotive Inverter Consumption by Region: 2019-2030

6.2.2 Global Automotive Inverter Forecasted Consumption by Region (2025-2030)

6.3 North America

6.3.1 North America Automotive Inverter Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.3.2 North America Automotive Inverter Consumption by Country (2019-2030)

6.3.3 United States

6.3.4 Canada

6.4 Europe

6.4.1 Europe Automotive Inverter Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.4.2 Europe Automotive Inverter Consumption by Country (2019-2030)

6.4.3 Germany

6.4.4 France

6.4.5 U.K.

6.4.6 Italy

6.4.7 Netherlands

6.5 Asia Pacific

6.5.1 Asia Pacific Automotive Inverter Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.5.2 Asia Pacific Automotive Inverter Consumption by Country (2019-2030)

6.5.3 China

6.5.4 Japan

6.5.5 South Korea

6.5.6 China Taiwan

6.5.7 Southeast Asia

6.5.8 India

6.5.9 Australia

6.6 Latin America, Middle East & Africa



6.6.1 Latin America, Middle East & Africa Automotive Inverter Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.6.2 Latin America, Middle East & Africa Automotive Inverter Consumption by Country (2019-2030)

6.6.3 Mexico

6.6.4 Brazil

6.6.5 Turkey

6.6.6 GCC Countries

## **7 Segment by Type**

7.1 Global Automotive Inverter Production by Type (2019-2030)

7.1.1 Global Automotive Inverter Production by Type (2019-2030) & (K Units)

7.1.2 Global Automotive Inverter Production Market Share by Type (2019-2030)

7.2 Global Automotive Inverter Production Value by Type (2019-2030)

7.2.1 Global Automotive Inverter Production Value by Type (2019-2030) & (US\$ Million)

7.2.2 Global Automotive Inverter Production Value Market Share by Type (2019-2030)

7.3 Global Automotive Inverter Price by Type (2019-2030)

## **8 Segment by Application**

8.1 Global Automotive Inverter Production by Application (2019-2030)

8.1.1 Global Automotive Inverter Production by Application (2019-2030) & (K Units)

8.1.2 Global Automotive Inverter Production by Application (2019-2030) & (K Units)

8.2 Global Automotive Inverter Production Value by Application (2019-2030)

8.2.1 Global Automotive Inverter Production Value by Application (2019-2030) & (US\$ Million)

8.2.2 Global Automotive Inverter Production Value Market Share by Application (2019-2030)

8.3 Global Automotive Inverter Price by Application (2019-2030)

## **9 Value Chain and Sales Channels Analysis of the Market**

9.1 Automotive Inverter Value Chain Analysis

9.1.1 Automotive Inverter Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 Automotive Inverter Production Mode & Process

9.2 Automotive Inverter Sales Channels Analysis



9.2.1 Direct Comparison with Distribution Share

9.2.2 Automotive Inverter Distributors

9.2.3 Automotive Inverter Customers

## **10 Global Automotive Inverter Analyzing Market Dynamics**

10.1 Automotive Inverter Industry Trends

10.2 Automotive Inverter Industry Drivers

10.3 Automotive Inverter Industry Opportunities and Challenges

10.4 Automotive Inverter Industry Restraints

## **11 Report Conclusion**

## **12 Disclaimer**

## Tables & Figures

### List of Tables

Table 1. Secondary Sources

Table 2. Primary Sources

Table 3. Market Value Comparison by Type (2019 VS 2023 VS 2030) & (US\$ Million)

Table 4. Market Value Comparison by Application (2019 VS 2023 VS 2030) & (US\$ Million)

Table 5. Global Automotive Inverter Production by Manufacturers (K Units) & (2019-2024)

Table 6. Global Automotive Inverter Production Market Share by Manufacturers

Table 7. Global Automotive Inverter Production Value by Manufacturers (US\$ Million) & (2019-2024)

Table 8. Global Automotive Inverter Production Value Market Share by Manufacturers (2019-2024)

Table 9. Global Automotive Inverter Average Price (US\$/Unit) of Key Manufacturers (2019-2024)

Table 10. Global Automotive Inverter Industry Manufacturers Ranking, 2022 VS 2023 VS 2024

Table 11. Global Automotive Inverter Manufacturers, Product Type & Application

Table 12. Global Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 13. Global Automotive Inverter by Manufacturers Type (Tier 1, Tier 2, and Tier 3) & (based on the Production Value of 2023)

Table 14. Manufacturers Mergers & Acquisitions, Expansion Plans)

Table 15. Toyota Industries Automotive Inverter Company Information

Table 16. Toyota Industries Business Overview

Table 17. Toyota Industries Automotive Inverter Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 18. Toyota Industries Product Portfolio

Table 19. Toyota Industries Recent Developments

Table 20. Denso Automotive Inverter Company Information

Table 21. Denso Business Overview

Table 22. Denso Automotive Inverter Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 23. Denso Product Portfolio

Table 24. Denso Recent Developments



Table 25. Hitachi Astemo Automotive Inverter Company Information

Table 26. Hitachi Astemo Business Overview

Table 27. Hitachi Astemo Automotive Inverter Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 28. Hitachi Astemo Product Portfolio

Table 29. Hitachi Astemo Recent Developments

Table 30. Valeo Automotive Inverter Company Information

Table 31. Valeo Business Overview

Table 32. Valeo Automotive Inverter Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 33. Valeo Product Portfolio

Table 34. Valeo Recent Developments

Table 35. Bosch Automotive Inverter Company Information

Table 36. Bosch Business Overview

Table 37. Bosch Automotive Inverter Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 38. Bosch Product Portfolio

Table 39. Bosch Recent Developments

Table 40. Mitsubishi Electric Automotive Inverter Company Information

Table 41. Mitsubishi Electric Business Overview

Table 42. Mitsubishi Electric Automotive Inverter Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 43. Mitsubishi Electric Product Portfolio

Table 44. Mitsubishi Electric Recent Developments

Table 45. Zhongshan Broad-Ocean Automotive Inverter Company Information

Table 46. Zhongshan Broad-Ocean Business Overview

Table 47. Zhongshan Broad-Ocean Automotive Inverter Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 48. Zhongshan Broad-Ocean Product Portfolio





Table 49. Zhongshan Broad-Ocean Recent Developments

Table 50. Suzhou Inovance Automotive Automotive Inverter Company Information

Table 51. Suzhou Inovance Automotive Business Overview

Table 52. Suzhou Inovance Automotive Automotive Inverter Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 53. Suzhou Inovance Automotive Product Portfolio

Table 54. Suzhou Inovance Automotive Recent Developments

Table 55. Hyundai Mobis Automotive Inverter Company Information

Table 56. Hyundai Mobis Business Overview

Table 57. Hyundai Mobis Automotive Inverter Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 58. Hyundai Mobis Product Portfolio

Table 59. Hyundai Mobis Recent Developments

Table 60. Meidensha Automotive Inverter Company Information

Table 61. Meidensha Business Overview

Table 62. Meidensha Automotive Inverter Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 63. Meidensha Product Portfolio

Table 64. Meidensha Recent Developments

Table 65. Vitesco Technologies Automotive Inverter Company Information

Table 66. Vitesco Technologies Business Overview

Table 67. Vitesco Technologies Automotive Inverter Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 68. Vitesco Technologies Product Portfolio

Table 69. Vitesco Technologies Recent Developments

Table 70. Marelli Automotive Inverter Company Information

Table 71. Marelli Business Overview

Table 72. Marelli Automotive Inverter Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 73. Marelli Product Portfolio

Table 74. Marelli Recent Developments

Table 75. GKN Automotive Automotive Inverter Company Information

Table 76. GKN Automotive Business Overview

Table 77. GKN Automotive Automotive Inverter Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 78. GKN Automotive Product Portfolio

Table 79. GKN Automotive Recent Developments

Table 80. Sungchang Autotech Automotive Inverter Company Information

Table 81. Sungchang Autotech Business Overview

Table 82. Sungchang Autotech Automotive Inverter Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 83. Sungchang Autotech Product Portfolio

Table 84. Sungchang Autotech Recent Developments

Table 85. Sungchang Autotech Automotive Inverter Company Information

Table 86. Helix (Integral Powertrain) Business Overview

Table 87. Helix (Integral Powertrain) Automotive Inverter Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 88. Helix (Integral Powertrain) Product Portfolio

Table 89. Helix (Integral Powertrain) Recent Developments

Table 90. Global Automotive Inverter Production Comparison by Region: 2019 VS 2023 VS 2030 (K Units)

Table 91. Global Automotive Inverter Production by Region (2019-2024) & (K Units)

Table 92. Global Automotive Inverter Production Market Share by Region (2019-2024)

Table 93. Global Automotive Inverter Production Forecast by Region (2025-2030) & (K Units)

Table 94. Global Automotive Inverter Production Market Share Forecast by Region (2025-2030)

Table 95. Global Automotive Inverter Production Value Comparison by Region: 2019 VS 2023 VS 2030 (US\$ Million)

Table 96. Global Automotive Inverter Production Value by Region (2019-2024) & (US\$ Million)

Table 97. Global Automotive Inverter Production Value Market Share by Region (2019-2024)

Table 98. Global Automotive Inverter Production Value Forecast by Region (2025-2030) & (US\$ Million)

Table 99. Global Automotive Inverter Production Value Market Share Forecast by Region (2025-2030)

Table 100. Global Automotive Inverter Market Average Price (US\$/Unit) by Region (2019-2024)

Table 101. Global Automotive Inverter Consumption Comparison by Region: 2019 VS 2023 VS 2030 (K Units)

Table 102. Global Automotive Inverter Consumption by Region (2019-2024) & (K Units)

Table 103. Global Automotive Inverter Consumption Market Share by Region (2019-2024)

Table 104. Global Automotive Inverter Forecasted Consumption by Region (2025-2030) & (K Units)

Table 105. Global Automotive Inverter Forecasted Consumption Market Share by Region (2025-2030)

Table 106. North America Automotive Inverter Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (K Units)

Table 107. North America Automotive Inverter Consumption by Country (2019-2024) & (K Units)

Table 108. North America Automotive Inverter Consumption by Country (2025-2030) & (K Units)

Table 109. Europe Automotive Inverter Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (K Units)

Table 110. Europe Automotive Inverter Consumption by Country (2019-2024) & (K Units)

Table 111. Europe Automotive Inverter Consumption by Country (2025-2030) & (K Units)

Table 112. Asia Pacific Automotive Inverter Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (K Units)

Table 113. Asia Pacific Automotive Inverter Consumption by Country (2019-2024) & (K Units)

Table 114. Asia Pacific Automotive Inverter Consumption by Country (2025-2030) & (K Units)

Table 115. Latin America, Middle East & Africa Automotive Inverter Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (K Units)

Table 116. Latin America, Middle East & Africa Automotive Inverter Consumption by Country (2019-2024) & (K Units)

Table 117. Latin America, Middle East & Africa Automotive Inverter Consumption by Country (2025-2030) & (K Units)

Table 118. Global Automotive Inverter Production by Type (2019-2024) & (K Units)

Table 119. Global Automotive Inverter Production by Type (2025-2030) & (K Units)



- Table 120. Global Automotive Inverter Production Market Share by Type (2019-2024)
- Table 121. Global Automotive Inverter Production Market Share by Type (2025-2030)
- Table 122. Global Automotive Inverter Production Value by Type (2019-2024) & (US\$ Million)
- Table 123. Global Automotive Inverter Production Value by Type (2025-2030) & (US\$ Million)
- Table 124. Global Automotive Inverter Production Value Market Share by Type (2019-2024)
- Table 125. Global Automotive Inverter Production Value Market Share by Type (2025-2030)
- Table 126. Global Automotive Inverter Price by Type (2019-2024) & (US\$/Unit)
- Table 127. Global Automotive Inverter Price by Type (2025-2030) & (US\$/Unit)
- Table 128. Global Automotive Inverter Production by Application (2019-2024) & (K Units)
- Table 129. Global Automotive Inverter Production by Application (2025-2030) & (K Units)
- Table 130. Global Automotive Inverter Production Market Share by Application (2019-2024)
- Table 131. Global Automotive Inverter Production Market Share by Application (2025-2030)
- Table 132. Global Automotive Inverter Production Value by Application (2019-2024) & (US\$ Million)
- Table 133. Global Automotive Inverter Production Value by Application (2025-2030) & (US\$ Million)
- Table 134. Global Automotive Inverter Production Value Market Share by Application (2019-2024)
- Table 135. Global Automotive Inverter Production Value Market Share by Application (2025-2030)
- Table 136. Global Automotive Inverter Price by Application (2019-2024) & (US\$/Unit)
- Table 137. Global Automotive Inverter Price by Application (2025-2030) & (US\$/Unit)
- Table 138. Key Raw Materials
- Table 139. Raw Materials Key Suppliers
- Table 140. Automotive Inverter Distributors List
- Table 141. Automotive Inverter Customers List
- Table 142. Automotive Inverter Industry Trends
- Table 143. Automotive Inverter Industry Drivers
- Table 144. Automotive Inverter Industry Restraints
- Table 145. Authors List of This Report

**List of Figures**

- Figure 1. Research Methodology
- Figure 2. Research Process

Figure 3. Key Executives Interviewed

Figure 4. Automotive Inverter Product Picture

Figure 5. Market Value Comparison by Type (2019 VS 2023 VS 2030) & (US\$ Million)

Figure 6. 50-100 kW Product Picture

Figure 7. Below 50 kW Product Picture

Figure 8. Above 100 KW Product Picture

Figure 9. Fully Electric Vehicles Product Picture

Figure 10. Hybrid Vehicles Product Picture

Figure 11. Commercial Buses and Trucks Product Picture

Figure 12. Electric Racing Car Product Picture

Figure 13. Global Automotive Inverter Production Value (US\$ Million), 2019 VS 2023 VS 2030

Figure 14. Global Automotive Inverter Production Value (2019-2030) & (US\$ Million)

Figure 15. Global Automotive Inverter Production Capacity (2019-2030) & (K Units)

Figure 16. Global Automotive Inverter Production (2019-2030) & (K Units)

Figure 17. Global Automotive Inverter Average Price (US\$/Unit) & (2019-2030)

Figure 18. Global Automotive Inverter Key Manufacturers, Manufacturing Sites & Headquarters

Figure 19. Global Automotive Inverter Manufacturers, Date of Enter into This Industry

Figure 20. Global Top 5 and 10 Automotive Inverter Players Market Share by Production Value in 2023

Figure 21. Manufacturers Type (Tier 1, Tier 2, and Tier 3): 2019 VS 2023

Figure 22. Global Automotive Inverter Production Comparison by Region: 2019 VS 2023 VS 2030 (K Units)

Figure 23. Global Automotive Inverter Production Market Share by Region: 2019 VS 2023 VS 2030

Figure 24. Global Automotive Inverter Production Value Comparison by Region: 2019 VS 2023 VS 2030 (US\$ Million)

Figure 25. Global Automotive Inverter Production Value Market Share by Region: 2019 VS 2023 VS 2030

Figure 26. North America Automotive Inverter Production Value (US\$ Million) Growth Rate (2019-2030)

Figure 27. Europe Automotive Inverter Production Value (US\$ Million) Growth Rate (2019-2030)

Figure 28. China Automotive Inverter Production Value (US\$ Million) Growth Rate (2019-2030)

Figure 29. Japan Automotive Inverter Production Value (US\$ Million) Growth Rate (2019-2030)

Figure 30. South Korea Automotive Inverter Production Value (US\$ Million) Growth Rate (2019-2030)

Figure 31. India Automotive Inverter Production Value (US\$ Million) Growth Rate (2019-2030)

Figure 32. Global Automotive Inverter Consumption Comparison by Region: 2019 VS 2023 VS 2030 (K Units)

Figure 33. Global Automotive Inverter Consumption Market Share by Region: 2019 VS 2023 VS 2030

Figure 34. North America Automotive Inverter Consumption and Growth Rate (2019-2030) & (K Units)

Figure 35. North America Automotive Inverter Consumption Market Share by Country (2019-2030)

Figure 36. United States Automotive Inverter Consumption and Growth Rate (2019-2030) & (K Units)

Figure 37. Canada Automotive Inverter Consumption and Growth Rate (2019-2030) & (K Units)

Figure 38. Europe Automotive Inverter Consumption and Growth Rate (2019-2030) & (K Units)

Figure 39. Europe Automotive Inverter Consumption Market Share by Country (2019-2030)

Figure 40. Germany Automotive Inverter Consumption and Growth Rate (2019-2030) & (K Units)

Figure 41. France Automotive Inverter Consumption and Growth Rate (2019-2030) & (K Units)

Figure 42. U.K. Automotive Inverter Consumption and Growth Rate (2019-2030) & (K Units)

Figure 43. Italy Automotive Inverter Consumption and Growth Rate (2019-2030) & (K Units)

Figure 44. Netherlands Automotive Inverter Consumption and Growth Rate (2019-2030) & (K Units)

Figure 45. Asia Pacific Automotive Inverter Consumption and Growth Rate (2019-2030) & (K Units)

Figure 46. Asia Pacific Automotive Inverter Consumption Market Share by Country (2019-2030)

Figure 47. China Automotive Inverter Consumption and Growth Rate (2019-2030) & (K Units)

Figure 48. Japan Automotive Inverter Consumption and Growth Rate (2019-2030) & (K Units)

Figure 49. South Korea Automotive Inverter Consumption and Growth Rate (2019-2030) & (K Units)

Figure 50. China Taiwan Automotive Inverter Consumption and Growth Rate (2019-2030) & (K Units)

Figure 51. Southeast Asia Automotive Inverter Consumption and Growth Rate (2019-2030) & (K Units)

Figure 52. India Automotive Inverter Consumption and Growth Rate (2019-2030) & (K Units)

Figure 53. Australia Automotive Inverter Consumption and Growth Rate (2019-2030) & (K Units)

Figure 54. Latin America, Middle East & Africa Automotive Inverter Consumption and Growth Rate (2019-2030) & (K Units)

Figure 55. Latin America, Middle East & Africa Automotive Inverter Consumption Market Share by Country (2019-2030)

Figure 56. Mexico Automotive Inverter Consumption and Growth Rate (2019-2030) & (K Units)

- Figure 57. Brazil Automotive Inverter Consumption and Growth Rate (2019-2030) & (K Units)
- Figure 58. Turkey Automotive Inverter Consumption and Growth Rate (2019-2030) & (K Units)
- Figure 59. GCC Countries Automotive Inverter Consumption and Growth Rate (2019-2030) & (K Units)
- Figure 60. Global Automotive Inverter Production Market Share by Type (2019-2030)
- Figure 61. Global Automotive Inverter Production Value Market Share by Type (2019-2030)
- Figure 62. Global Automotive Inverter Price (US\$/Unit) by Type (2019-2030)
- Figure 63. Global Automotive Inverter Production Market Share by Application (2019-2030)
- Figure 64. Global Automotive Inverter Production Value Market Share by Application (2019-2030)
- Figure 65. Global Automotive Inverter Price (US\$/Unit) by Application (2019-2030)
- Figure 66. Automotive Inverter Value Chain
- Figure 67. Automotive Inverter Production Mode & Process
- Figure 68. Direct Comparison with Distribution Share
- Figure 69. Distributors Profiles
- Figure 70. Automotive Inverter Industry Opportunities and Challenges

# Company Profile

APO Research, abbreviated as APO, was founded in 2022 and is a research company focusing on the global market. APO Research is committed on management consulting, IPO consulting, industrial chain and customized research, as well as database and seminar services, focusing on providing customers with in-depth research reports, professional data analysis and market development forecasts. APO Research is strongly supported by a complete database platform, rich expert resources, professional research team, and accurate data analysis.



# Get More.

Get actionable, objective insight to deliver on your most critical priorities. Our expert guidance and tools enable faster, smarter decisions and stronger performance. Contact us to become a client:

U.S.: 1 332 251 9412

China: +86 17600652182

[Become a Client](#)

Learn more about APO Research for Market

[www.aporesearch.com](http://www.aporesearch.com)

Stay connected to the latest insights

