

Global Bidirectional Onboard Charger Market Growth 2026-2032

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Abstracts

The global Bidirectional Onboard Charger market size is predicted to grow from US\$ 631 million in 2025 to US\$ 1049 million in 2032; it is expected to grow at a CAGR of 7.7% from 2026 to 2032.

A Bidirectional Onboard Charger (BOBC) is a type of onboard charging system for electric vehicles (EVs) that allows both charging and discharging of the vehicle's battery. Unlike traditional unidirectional chargers, which only enable the battery to be charged from the grid, a bidirectional charger enables the vehicle to both receive power from the electrical grid and send power back to the grid or to external loads.

United States market for Bidirectional Onboard Charger is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Bidirectional Onboard Charger is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Bidirectional Onboard Charger is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Bidirectional Onboard Charger players cover Tesla, Infineon, Panasonic, Delta Electronics, BorgWarner, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the 'Bidirectional Onboard Charger Industry Forecast' looks at past sales and reviews total world Bidirectional Onboard Charger sales in 2025, providing a comprehensive analysis by region and market sector

of projected Bidirectional Onboard Charger sales for 2026 through 2032. With Bidirectional Onboard Charger sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Bidirectional Onboard Charger industry.

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

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

This report presents a comprehensive overview, market shares, and growth opportunities of Bidirectional Onboard Charger market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Single-Stage Topologie

Two-Stage Topologie

Segmentation by Application:

Hybrid Vehicles

Pure Electric Vehicles

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

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

Tesla

Infineon

Panasonic

Delta Electronics

BorgWarner

KOSTAL

Toyota

Nissan

Rohm

TI

LG

BYD

Vmaxpower

Shinry TECHNOLOGIES

Zhe Jiang EV-Tech

Zhuhai Enpower Electric

Huawei

Shenzhen Inovance Technology

Dilong Charger

Ruide New Energy Technology

Ningbo Joyson Electronic

Key Questions Addressed in this Report

What is the 10-year outlook for the global Bidirectional Onboard Charger market?

What factors are driving Bidirectional Onboard Charger market growth, globally and by region?

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

How do Bidirectional Onboard Charger market opportunities vary by end market size?

How does Bidirectional Onboard Charger break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

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

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Bidirectional Onboard Charger Annual Sales 2021-2032
 - 2.1.2 World Current & Future Analysis for Bidirectional Onboard Charger by Geographic Region, 2021, 2025 & 2032
 - 2.1.3 World Current & Future Analysis for Bidirectional Onboard Charger by Country/Region, 2021, 2025 & 2032
- 2.2 Bidirectional Onboard Charger Segment by Type
 - 2.2.1 Single-Stage Topologie
 - 2.2.2 Two-Stage Topologie
 - 2.2.3 Bidirectional Onboard Charger Sales by Type
 - 2.2.3.1 Global Bidirectional Onboard Charger Sales Market Share by Type (2021-2026)
 - 2.2.3.2 Global Bidirectional Onboard Charger Revenue and Market Share by Type (2021-2026)
 - 2.2.3.3 Global Bidirectional Onboard Charger Sale Price by Type (2021-2026)
- 2.3 Bidirectional Onboard Charger Segment by Application
 - 2.3.1 Hybrid Vehicles
 - 2.3.2 Pure Electric Vehicles
 - 2.3.3 Bidirectional Onboard Charger Sales by Application
 - 2.3.3.1 Global Bidirectional Onboard Charger Sale Market Share by Application (2021-2026)
 - 2.3.3.2 Global Bidirectional Onboard Charger Revenue and Market Share by Application (2021-2026)
 - 2.3.3.3 Global Bidirectional Onboard Charger Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global Bidirectional Onboard Charger Breakdown Data by Company

3.1.1 Global Bidirectional Onboard Charger Annual Sales by Company (2021-2026)

3.1.2 Global Bidirectional Onboard Charger Sales Market Share by Company (2021-2026)

3.2 Global Bidirectional Onboard Charger Annual Revenue by Company (2021-2026)

3.2.1 Global Bidirectional Onboard Charger Revenue by Company (2021-2026)

3.2.2 Global Bidirectional Onboard Charger Revenue Market Share by Company (2021-2026)

3.3 Global Bidirectional Onboard Charger Sale Price by Company

3.4 Key Manufacturers Bidirectional Onboard Charger Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Bidirectional Onboard Charger Product Location Distribution

3.4.2 Players Bidirectional Onboard Charger Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR BIDIRECTIONAL ONBOARD CHARGER BY GEOGRAPHIC REGION

4.1 World Historic Bidirectional Onboard Charger Market Size by Geographic Region (2021-2026)

4.1.1 Global Bidirectional Onboard Charger Annual Sales by Geographic Region (2021-2026)

4.1.2 Global Bidirectional Onboard Charger Annual Revenue by Geographic Region (2021-2026)

4.2 World Historic Bidirectional Onboard Charger Market Size by Country/Region (2021-2026)

4.2.1 Global Bidirectional Onboard Charger Annual Sales by Country/Region (2021-2026)

4.2.2 Global Bidirectional Onboard Charger Annual Revenue by Country/Region (2021-2026)

4.3 Americas Bidirectional Onboard Charger Sales Growth

4.4 APAC Bidirectional Onboard Charger Sales Growth

4.5 Europe Bidirectional Onboard Charger Sales Growth

4.6 Middle East & Africa Bidirectional Onboard Charger Sales Growth

5 AMERICAS

5.1 Americas Bidirectional Onboard Charger Sales by Country

5.1.1 Americas Bidirectional Onboard Charger Sales by Country (2021-2026)

5.1.2 Americas Bidirectional Onboard Charger Revenue by Country (2021-2026)

5.2 Americas Bidirectional Onboard Charger Sales by Type (2021-2026)

5.3 Americas Bidirectional Onboard Charger Sales by Application (2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Bidirectional Onboard Charger Sales by Region

6.1.1 APAC Bidirectional Onboard Charger Sales by Region (2021-2026)

6.1.2 APAC Bidirectional Onboard Charger Revenue by Region (2021-2026)

6.2 APAC Bidirectional Onboard Charger Sales by Type (2021-2026)

6.3 APAC Bidirectional Onboard Charger Sales by Application (2021-2026)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Bidirectional Onboard Charger by Country

7.1.1 Europe Bidirectional Onboard Charger Sales by Country (2021-2026)

7.1.2 Europe Bidirectional Onboard Charger Revenue by Country (2021-2026)

7.2 Europe Bidirectional Onboard Charger Sales by Type (2021-2026)

7.3 Europe Bidirectional Onboard Charger Sales by Application (2021-2026)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Bidirectional Onboard Charger by Country

8.1.1 Middle East & Africa Bidirectional Onboard Charger Sales by Country
(2021-2026)

8.1.2 Middle East & Africa Bidirectional Onboard Charger Revenue by Country
(2021-2026)

8.2 Middle East & Africa Bidirectional Onboard Charger Sales by Type (2021-2026)

8.3 Middle East & Africa Bidirectional Onboard Charger Sales by Application
(2021-2026)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Bidirectional Onboard Charger

10.3 Manufacturing Process Analysis of Bidirectional Onboard Charger

10.4 Industry Chain Structure of Bidirectional Onboard Charger

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Bidirectional Onboard Charger Distributors

11.3 Bidirectional Onboard Charger Customer

12 WORLD FORECAST REVIEW FOR BIDIRECTIONAL ONBOARD CHARGER BY GEOGRAPHIC REGION

12.1 Global Bidirectional Onboard Charger Market Size Forecast by Region

12.1.1 Global Bidirectional Onboard Charger Forecast by Region (2027-2032)

12.1.2 Global Bidirectional Onboard Charger Annual Revenue Forecast by Region (2027-2032)

12.2 Americas Forecast by Country (2027-2032)

12.3 APAC Forecast by Region (2027-2032)

12.4 Europe Forecast by Country (2027-2032)

12.5 Middle East & Africa Forecast by Country (2027-2032)

12.6 Global Bidirectional Onboard Charger Forecast by Type (2027-2032)

12.7 Global Bidirectional Onboard Charger Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

13.1 Tesla

13.1.1 Tesla Company Information

13.1.2 Tesla Bidirectional Onboard Charger Product Portfolios and Specifications

13.1.3 Tesla Bidirectional Onboard Charger Sales, Revenue, Price and Gross Margin (2021-2026)

13.1.4 Tesla Main Business Overview

13.1.5 Tesla Latest Developments

13.2 Infineon

13.2.1 Infineon Company Information

13.2.2 Infineon Bidirectional Onboard Charger Product Portfolios and Specifications

13.2.3 Infineon Bidirectional Onboard Charger Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 Infineon Main Business Overview

13.2.5 Infineon Latest Developments

13.3 Panasonic

13.3.1 Panasonic Company Information

13.3.2 Panasonic Bidirectional Onboard Charger Product Portfolios and Specifications

13.3.3 Panasonic Bidirectional Onboard Charger Sales, Revenue, Price and Gross Margin (2021-2026)

13.3.4 Panasonic Main Business Overview

13.3.5 Panasonic Latest Developments

13.4 Delta Electronics

13.4.1 Delta Electronics Company Information

13.4.2 Delta Electronics Bidirectional Onboard Charger Product Portfolios and Specifications

13.4.3 Delta Electronics Bidirectional Onboard Charger Sales, Revenue, Price and Gross Margin (2021-2026)

13.4.4 Delta Electronics Main Business Overview

13.4.5 Delta Electronics Latest Developments

13.5 BorgWarner

13.5.1 BorgWarner Company Information

13.5.2 BorgWarner Bidirectional Onboard Charger Product Portfolios and Specifications

13.5.3 BorgWarner Bidirectional Onboard Charger Sales, Revenue, Price and Gross Margin (2021-2026)

13.5.4 BorgWarner Main Business Overview

13.5.5 BorgWarner Latest Developments

13.6 KOSTAL

13.6.1 KOSTAL Company Information

13.6.2 KOSTAL Bidirectional Onboard Charger Product Portfolios and Specifications

13.6.3 KOSTAL Bidirectional Onboard Charger Sales, Revenue, Price and Gross Margin (2021-2026)

13.6.4 KOSTAL Main Business Overview

13.6.5 KOSTAL Latest Developments

13.7 Toyota

13.7.1 Toyota Company Information

13.7.2 Toyota Bidirectional Onboard Charger Product Portfolios and Specifications

13.7.3 Toyota Bidirectional Onboard Charger Sales, Revenue, Price and Gross Margin (2021-2026)

13.7.4 Toyota Main Business Overview

13.7.5 Toyota Latest Developments

13.8 Nissan

13.8.1 Nissan Company Information

13.8.2 Nissan Bidirectional Onboard Charger Product Portfolios and Specifications

13.8.3 Nissan Bidirectional Onboard Charger Sales, Revenue, Price and Gross Margin (2021-2026)

13.8.4 Nissan Main Business Overview

13.8.5 Nissan Latest Developments

13.9 Rohm

13.9.1 Rohm Company Information

- 13.9.2 Rohm Bidirectional Onboard Charger Product Portfolios and Specifications
- 13.9.3 Rohm Bidirectional Onboard Charger Sales, Revenue, Price and Gross Margin (2021-2026)
- 13.9.4 Rohm Main Business Overview
- 13.9.5 Rohm Latest Developments
- 13.10 TI
 - 13.10.1 TI Company Information
 - 13.10.2 TI Bidirectional Onboard Charger Product Portfolios and Specifications
 - 13.10.3 TI Bidirectional Onboard Charger Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.10.4 TI Main Business Overview
 - 13.10.5 TI Latest Developments
- 13.11 LG
 - 13.11.1 LG Company Information
 - 13.11.2 LG Bidirectional Onboard Charger Product Portfolios and Specifications
 - 13.11.3 LG Bidirectional Onboard Charger Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.11.4 LG Main Business Overview
 - 13.11.5 LG Latest Developments
- 13.12 BYD
 - 13.12.1 BYD Company Information
 - 13.12.2 BYD Bidirectional Onboard Charger Product Portfolios and Specifications
 - 13.12.3 BYD Bidirectional Onboard Charger Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.12.4 BYD Main Business Overview
 - 13.12.5 BYD Latest Developments
- 13.13 Vmaxpower
 - 13.13.1 Vmaxpower Company Information
 - 13.13.2 Vmaxpower Bidirectional Onboard Charger Product Portfolios and Specifications
 - 13.13.3 Vmaxpower Bidirectional Onboard Charger Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.13.4 Vmaxpower Main Business Overview
 - 13.13.5 Vmaxpower Latest Developments
- 13.14 Shinry TECHNOLOGIES
 - 13.14.1 Shinry TECHNOLOGIES Company Information
 - 13.14.2 Shinry TECHNOLOGIES Bidirectional Onboard Charger Product Portfolios and Specifications
 - 13.14.3 Shinry TECHNOLOGIES Bidirectional Onboard Charger Sales, Revenue,

Price and Gross Margin (2021-2026)

13.14.4 Shinry TECHNOLOGIES Main Business Overview

13.14.5 Shinry TECHNOLOGIES Latest Developments

13.15 Zhe Jiang EV-Tech

13.15.1 Zhe Jiang EV-Tech Company Information

13.15.2 Zhe Jiang EV-Tech Bidirectional Onboard Charger Product Portfolios and Specifications

13.15.3 Zhe Jiang EV-Tech Bidirectional Onboard Charger Sales, Revenue, Price and Gross Margin (2021-2026)

13.15.4 Zhe Jiang EV-Tech Main Business Overview

13.15.5 Zhe Jiang EV-Tech Latest Developments

13.16 Zhuhai Enpower Electric

13.16.1 Zhuhai Enpower Electric Company Information

13.16.2 Zhuhai Enpower Electric Bidirectional Onboard Charger Product Portfolios and Specifications

13.16.3 Zhuhai Enpower Electric Bidirectional Onboard Charger Sales, Revenue, Price and Gross Margin (2021-2026)

13.16.4 Zhuhai Enpower Electric Main Business Overview

13.16.5 Zhuhai Enpower Electric Latest Developments

13.17 Huawei

13.17.1 Huawei Company Information

13.17.2 Huawei Bidirectional Onboard Charger Product Portfolios and Specifications

13.17.3 Huawei Bidirectional Onboard Charger Sales, Revenue, Price and Gross Margin (2021-2026)

13.17.4 Huawei Main Business Overview

13.17.5 Huawei Latest Developments

13.18 Shenzhen Inovance Technology

13.18.1 Shenzhen Inovance Technology Company Information

13.18.2 Shenzhen Inovance Technology Bidirectional Onboard Charger Product Portfolios and Specifications

13.18.3 Shenzhen Inovance Technology Bidirectional Onboard Charger Sales, Revenue, Price and Gross Margin (2021-2026)

13.18.4 Shenzhen Inovance Technology Main Business Overview

13.18.5 Shenzhen Inovance Technology Latest Developments

13.19 Dilong Charger

13.19.1 Dilong Charger Company Information

13.19.2 Dilong Charger Bidirectional Onboard Charger Product Portfolios and Specifications

13.19.3 Dilong Charger Bidirectional Onboard Charger Sales, Revenue, Price and

Gross Margin (2021-2026)

13.19.4 Dilong Charger Main Business Overview

13.19.5 Dilong Charger Latest Developments

13.20 Ruide New Energy Technology

13.20.1 Ruide New Energy Technology Company Information

13.20.2 Ruide New Energy Technology Bidirectional Onboard Charger Product

Portfolios and Specifications

13.20.3 Ruide New Energy Technology Bidirectional Onboard Charger Sales, Revenue, Price and Gross Margin (2021-2026)

13.20.4 Ruide New Energy Technology Main Business Overview

13.20.5 Ruide New Energy Technology Latest Developments

13.21 Ningbo Joyson Electronic

13.21.1 Ningbo Joyson Electronic Company Information

13.21.2 Ningbo Joyson Electronic Bidirectional Onboard Charger Product Portfolios and Specifications

13.21.3 Ningbo Joyson Electronic Bidirectional Onboard Charger Sales, Revenue, Price and Gross Margin (2021-2026)

13.21.4 Ningbo Joyson Electronic Main Business Overview

13.21.5 Ningbo Joyson Electronic Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Bidirectional Onboard Charger Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Bidirectional Onboard Charger Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Single-Stage Topologie

Table 4. Major Players of Two-Stage Topologie

Table 5. Global Bidirectional Onboard Charger Sales by Type (2021-2026) & (K Units)

Table 6. Global Bidirectional Onboard Charger Sales Market Share by Type (2021-2026)

Table 7. Global Bidirectional Onboard Charger Revenue by Type (2021-2026) & (\$ million)

Table 8. Global Bidirectional Onboard Charger Revenue Market Share by Type (2021-2026)

Table 9. Global Bidirectional Onboard Charger Sale Price by Type (2021-2026) & (US\$/Unit)

Table 10. Global Bidirectional Onboard Charger Sale by Application (2021-2026) & (K Units)

Table 11. Global Bidirectional Onboard Charger Sale Market Share by Application (2021-2026)

Table 12. Global Bidirectional Onboard Charger Revenue by Application (2021-2026) & (\$ million)

Table 13. Global Bidirectional Onboard Charger Revenue Market Share by Application (2021-2026)

Table 14. Global Bidirectional Onboard Charger Sale Price by Application (2021-2026) & (US\$/Unit)

Table 15. Global Bidirectional Onboard Charger Sales by Company (2021-2026) & (K Units)

Table 16. Global Bidirectional Onboard Charger Sales Market Share by Company (2021-2026)

Table 17. Global Bidirectional Onboard Charger Revenue by Company (2021-2026) & (\$ millions)

Table 18. Global Bidirectional Onboard Charger Revenue Market Share by Company (2021-2026)

Table 19. Global Bidirectional Onboard Charger Sale Price by Company (2021-2026) & (US\$/Unit)

Table 20. Key Manufacturers Bidirectional Onboard Charger Producing Area Distribution and Sales Area
Table 21. Players Bidirectional Onboard Charger Products Offered
Table 22. Bidirectional Onboard Charger Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)
Table 23. New Products and Potential Entrants
Table 24. Market M&A Activity & Strategy
Table 25. Global Bidirectional Onboard Charger Sales by Geographic Region (2021-2026) & (K Units)
Table 26. Global Bidirectional Onboard Charger Sales Market Share Geographic Region (2021-2026)
Table 27. Global Bidirectional Onboard Charger Revenue by Geographic Region (2021-2026) & (\$ millions)
Table 28. Global Bidirectional Onboard Charger Revenue Market Share by Geographic Region (2021-2026)
Table 29. Global Bidirectional Onboard Charger Sales by Country/Region (2021-2026) & (K Units)
Table 30. Global Bidirectional Onboard Charger Sales Market Share by Country/Region (2021-2026)
Table 31. Global Bidirectional Onboard Charger Revenue by Country/Region (2021-2026) & (\$ millions)
Table 32. Global Bidirectional Onboard Charger Revenue Market Share by Country/Region (2021-2026)
Table 33. Americas Bidirectional Onboard Charger Sales by Country (2021-2026) & (K Units)
Table 34. Americas Bidirectional Onboard Charger Sales Market Share by Country (2021-2026)
Table 35. Americas Bidirectional Onboard Charger Revenue by Country (2021-2026) & (\$ millions)
Table 36. Americas Bidirectional Onboard Charger Sales by Type (2021-2026) & (K Units)
Table 37. Americas Bidirectional Onboard Charger Sales by Application (2021-2026) & (K Units)
Table 38. APAC Bidirectional Onboard Charger Sales by Region (2021-2026) & (K Units)
Table 39. APAC Bidirectional Onboard Charger Sales Market Share by Region (2021-2026)
Table 40. APAC Bidirectional Onboard Charger Revenue by Region (2021-2026) & (\$ millions)

Table 41. APAC Bidirectional Onboard Charger Sales by Type (2021-2026) & (K Units)
Table 42. APAC Bidirectional Onboard Charger Sales by Application (2021-2026) & (K Units)
Table 43. Europe Bidirectional Onboard Charger Sales by Country (2021-2026) & (K Units)
Table 44. Europe Bidirectional Onboard Charger Revenue by Country (2021-2026) & (\$ millions)
Table 45. Europe Bidirectional Onboard Charger Sales by Type (2021-2026) & (K Units)
Table 46. Europe Bidirectional Onboard Charger Sales by Application (2021-2026) & (K Units)
Table 47. Middle East & Africa Bidirectional Onboard Charger Sales by Country (2021-2026) & (K Units)
Table 48. Middle East & Africa Bidirectional Onboard Charger Revenue Market Share by Country (2021-2026)
Table 49. Middle East & Africa Bidirectional Onboard Charger Sales by Type (2021-2026) & (K Units)
Table 50. Middle East & Africa Bidirectional Onboard Charger Sales by Application (2021-2026) & (K Units)
Table 51. Key Market Drivers & Growth Opportunities of Bidirectional Onboard Charger
Table 52. Key Market Challenges & Risks of Bidirectional Onboard Charger
Table 53. Key Industry Trends of Bidirectional Onboard Charger
Table 54. Bidirectional Onboard Charger Raw Material
Table 55. Key Suppliers of Raw Materials
Table 56. Bidirectional Onboard Charger Distributors List
Table 57. Bidirectional Onboard Charger Customer List
Table 58. Global Bidirectional Onboard Charger Sales Forecast by Region (2027-2032) & (K Units)
Table 59. Global Bidirectional Onboard Charger Revenue Forecast by Region (2027-2032) & (\$ millions)
Table 60. Americas Bidirectional Onboard Charger Sales Forecast by Country (2027-2032) & (K Units)
Table 61. Americas Bidirectional Onboard Charger Annual Revenue Forecast by Country (2027-2032) & (\$ millions)
Table 62. APAC Bidirectional Onboard Charger Sales Forecast by Region (2027-2032) & (K Units)
Table 63. APAC Bidirectional Onboard Charger Annual Revenue Forecast by Region (2027-2032) & (\$ millions)
Table 64. Europe Bidirectional Onboard Charger Sales Forecast by Country (2027-2032) & (K Units)

Table 65. Europe Bidirectional Onboard Charger Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 66. Middle East & Africa Bidirectional Onboard Charger Sales Forecast by Country (2027-2032) & (K Units)

Table 67. Middle East & Africa Bidirectional Onboard Charger Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 68. Global Bidirectional Onboard Charger Sales Forecast by Type (2027-2032) & (K Units)

Table 69. Global Bidirectional Onboard Charger Revenue Forecast by Type (2027-2032) & (\$ millions)

Table 70. Global Bidirectional Onboard Charger Sales Forecast by Application (2027-2032) & (K Units)

Table 71. Global Bidirectional Onboard Charger Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 72. Tesla Basic Information, Bidirectional Onboard Charger Manufacturing Base, Sales Area and Its Competitors

Table 73. Tesla Bidirectional Onboard Charger Product Portfolios and Specifications

Table 74. Tesla Bidirectional Onboard Charger Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 75. Tesla Main Business

Table 76. Tesla Latest Developments

Table 77. Infineon Basic Information, Bidirectional Onboard Charger Manufacturing Base, Sales Area and Its Competitors

Table 78. Infineon Bidirectional Onboard Charger Product Portfolios and Specifications

Table 79. Infineon Bidirectional Onboard Charger Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 80. Infineon Main Business

Table 81. Infineon Latest Developments

Table 82. Panasonic Basic Information, Bidirectional Onboard Charger Manufacturing Base, Sales Area and Its Competitors

Table 83. Panasonic Bidirectional Onboard Charger Product Portfolios and Specifications

Table 84. Panasonic Bidirectional Onboard Charger Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 85. Panasonic Main Business

Table 86. Panasonic Latest Developments

Table 87. Delta Electronics Basic Information, Bidirectional Onboard Charger Manufacturing Base, Sales Area and Its Competitors

Table 88. Delta Electronics Bidirectional Onboard Charger Product Portfolios and

Specifications

Table 89. Delta Electronics Bidirectional Onboard Charger Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 90. Delta Electronics Main Business

Table 91. Delta Electronics Latest Developments

Table 92. BorgWarner Basic Information, Bidirectional Onboard Charger Manufacturing Base, Sales Area and Its Competitors

Table 93. BorgWarner Bidirectional Onboard Charger Product Portfolios and Specifications

Table 94. BorgWarner Bidirectional Onboard Charger Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 95. BorgWarner Main Business

Table 96. BorgWarner Latest Developments

Table 97. KOSTAL Basic Information, Bidirectional Onboard Charger Manufacturing Base, Sales Area and Its Competitors

Table 98. KOSTAL Bidirectional Onboard Charger Product Portfolios and Specifications

Table 99. KOSTAL Bidirectional Onboard Charger Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 100. KOSTAL Main Business

Table 101. KOSTAL Latest Developments

Table 102. Toyota Basic Information, Bidirectional Onboard Charger Manufacturing Base, Sales Area and Its Competitors

Table 103. Toyota Bidirectional Onboard Charger Product Portfolios and Specifications

Table 104. Toyota Bidirectional Onboard Charger Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 105. Toyota Main Business

Table 106. Toyota Latest Developments

Table 107. Nissan Basic Information, Bidirectional Onboard Charger Manufacturing Base, Sales Area and Its Competitors

Table 108. Nissan Bidirectional Onboard Charger Product Portfolios and Specifications

Table 109. Nissan Bidirectional Onboard Charger Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 110. Nissan Main Business

Table 111. Nissan Latest Developments

Table 112. Rohm Basic Information, Bidirectional Onboard Charger Manufacturing Base, Sales Area and Its Competitors

Table 113. Rohm Bidirectional Onboard Charger Product Portfolios and Specifications

Table 114. Rohm Bidirectional Onboard Charger Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 115. Rohm Main Business

Table 116. Rohm Latest Developments

Table 117. TI Basic Information, Bidirectional Onboard Charger Manufacturing Base, Sales Area and Its Competitors

Table 118. TI Bidirectional Onboard Charger Product Portfolios and Specifications

Table 119. TI Bidirectional Onboard Charger Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 120. TI Main Business

Table 121. TI Latest Developments

Table 122. LG Basic Information, Bidirectional Onboard Charger Manufacturing Base, Sales Area and Its Competitors

Table 123. LG Bidirectional Onboard Charger Product Portfolios and Specifications

Table 124. LG Bidirectional Onboard Charger Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 125. LG Main Business

Table 126. LG Latest Developments

Table 127. BYD Basic Information, Bidirectional Onboard Charger Manufacturing Base, Sales Area and Its Competitors

Table 128. BYD Bidirectional Onboard Charger Product Portfolios and Specifications

Table 129. BYD Bidirectional Onboard Charger Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 130. BYD Main Business

Table 131. BYD Latest Developments

Table 132. Vmaxpower Basic Information, Bidirectional Onboard Charger Manufacturing Base, Sales Area and Its Competitors

Table 133. Vmaxpower Bidirectional Onboard Charger Product Portfolios and Specifications

Table 134. Vmaxpower Bidirectional Onboard Charger Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 135. Vmaxpower Main Business

Table 136. Vmaxpower Latest Developments

Table 137. Shinry TECHNOLOGIES Basic Information, Bidirectional Onboard Charger Manufacturing Base, Sales Area and Its Competitors

Table 138. Shinry TECHNOLOGIES Bidirectional Onboard Charger Product Portfolios and Specifications

Table 139. Shinry TECHNOLOGIES Bidirectional Onboard Charger Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 140. Shinry TECHNOLOGIES Main Business

Table 141. Shinry TECHNOLOGIES Latest Developments

Table 142. Zhe Jiang EV-Tech Basic Information, Bidirectional Onboard Charger Manufacturing Base, Sales Area and Its Competitors

Table 143. Zhe Jiang EV-Tech Bidirectional Onboard Charger Product Portfolios and Specifications

Table 144. Zhe Jiang EV-Tech Bidirectional Onboard Charger Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 145. Zhe Jiang EV-Tech Main Business

Table 146. Zhe Jiang EV-Tech Latest Developments

Table 147. Zhuhai Enpower Electric Basic Information, Bidirectional Onboard Charger Manufacturing Base, Sales Area and Its Competitors

Table 148. Zhuhai Enpower Electric Bidirectional Onboard Charger Product Portfolios and Specifications

Table 149. Zhuhai Enpower Electric Bidirectional Onboard Charger Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 150. Zhuhai Enpower Electric Main Business

Table 151. Zhuhai Enpower Electric Latest Developments

Table 152. Huawei Basic Information, Bidirectional Onboard Charger Manufacturing Base, Sales Area and Its Competitors

Table 153. Huawei Bidirectional Onboard Charger Product Portfolios and Specifications

Table 154. Huawei Bidirectional Onboard Charger Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 155. Huawei Main Business

Table 156. Huawei Latest Developments

Table 157. Shenzhen Inovance Technology Basic Information, Bidirectional Onboard Charger Manufacturing Base, Sales Area and Its Competitors

Table 158. Shenzhen Inovance Technology Bidirectional Onboard Charger Product Portfolios and Specifications

Table 159. Shenzhen Inovance Technology Bidirectional Onboard Charger Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 160. Shenzhen Inovance Technology Main Business

Table 161. Shenzhen Inovance Technology Latest Developments

Table 162. Dilong Charger Basic Information, Bidirectional Onboard Charger Manufacturing Base, Sales Area and Its Competitors

Table 163. Dilong Charger Bidirectional Onboard Charger Product Portfolios and Specifications

Table 164. Dilong Charger Bidirectional Onboard Charger Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 165. Dilong Charger Main Business

Table 166. Dilong Charger Latest Developments

Table 167. Ruide New Energy Technology Basic Information, Bidirectional Onboard Charger Manufacturing Base, Sales Area and Its Competitors

Table 168. Ruide New Energy Technology Bidirectional Onboard Charger Product Portfolios and Specifications

Table 169. Ruide New Energy Technology Bidirectional Onboard Charger Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 170. Ruide New Energy Technology Main Business

Table 171. Ruide New Energy Technology Latest Developments

Table 172. Ningbo Joyson Electronic Basic Information, Bidirectional Onboard Charger Manufacturing Base, Sales Area and Its Competitors

Table 173. Ningbo Joyson Electronic Bidirectional Onboard Charger Product Portfolios and Specifications

Table 174. Ningbo Joyson Electronic Bidirectional Onboard Charger Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 175. Ningbo Joyson Electronic Main Business

Table 176. Ningbo Joyson Electronic Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Bidirectional Onboard Charger
- Figure 2. Bidirectional Onboard Charger Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Bidirectional Onboard Charger Sales Growth Rate 2021-2032 (K Units)
- Figure 7. Global Bidirectional Onboard Charger Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Bidirectional Onboard Charger Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Bidirectional Onboard Charger Sales Market Share by Country/Region (2025)
- Figure 10. Bidirectional Onboard Charger Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Single-Stage Topologie
- Figure 12. Product Picture of Two-Stage Topologie
- Figure 13. Global Bidirectional Onboard Charger Sales Market Share by Type in 2026
- Figure 14. Global Bidirectional Onboard Charger Revenue Market Share by Type (2021-2026)
- Figure 15. Bidirectional Onboard Charger Consumed in Hybrid Vehicles
- Figure 16. Global Bidirectional Onboard Charger Market: Hybrid Vehicles (2021-2026) & (K Units)
- Figure 17. Bidirectional Onboard Charger Consumed in Pure Electric Vehicles
- Figure 18. Global Bidirectional Onboard Charger Market: Pure Electric Vehicles (2021-2026) & (K Units)
- Figure 19. Global Bidirectional Onboard Charger Sale Market Share by Application (2025)
- Figure 20. Global Bidirectional Onboard Charger Revenue Market Share by Application in 2026
- Figure 21. Bidirectional Onboard Charger Sales by Company in 2026 (K Units)
- Figure 22. Global Bidirectional Onboard Charger Sales Market Share by Company in 2026
- Figure 23. Bidirectional Onboard Charger Revenue by Company in 2026 (\$ millions)
- Figure 24. Global Bidirectional Onboard Charger Revenue Market Share by Company in 2026
- Figure 25. Global Bidirectional Onboard Charger Sales Market Share by Geographic

Region (2021-2026)

Figure 26. Global Bidirectional Onboard Charger Revenue Market Share by Geographic Region in 2026

Figure 27. Americas Bidirectional Onboard Charger Sales 2021-2026 (K Units)

Figure 28. Americas Bidirectional Onboard Charger Revenue 2021-2026 (\$ millions)

Figure 29. APAC Bidirectional Onboard Charger Sales 2021-2026 (K Units)

Figure 30. APAC Bidirectional Onboard Charger Revenue 2021-2026 (\$ millions)

Figure 31. Europe Bidirectional Onboard Charger Sales 2021-2026 (K Units)

Figure 32. Europe Bidirectional Onboard Charger Revenue 2021-2026 (\$ millions)

Figure 33. Middle East & Africa Bidirectional Onboard Charger Sales 2021-2026 (K Units)

Figure 34. Middle East & Africa Bidirectional Onboard Charger Revenue 2021-2026 (\$ millions)

Figure 35. Americas Bidirectional Onboard Charger Sales Market Share by Country in 2026

Figure 36. Americas Bidirectional Onboard Charger Revenue Market Share by Country (2021-2026)

Figure 37. Americas Bidirectional Onboard Charger Sales Market Share by Type (2021-2026)

Figure 38. Americas Bidirectional Onboard Charger Sales Market Share by Application (2021-2026)

Figure 39. United States Bidirectional Onboard Charger Revenue Growth 2021-2026 (\$ millions)

Figure 40. Canada Bidirectional Onboard Charger Revenue Growth 2021-2026 (\$ millions)

Figure 41. Mexico Bidirectional Onboard Charger Revenue Growth 2021-2026 (\$ millions)

Figure 42. Brazil Bidirectional Onboard Charger Revenue Growth 2021-2026 (\$ millions)

Figure 43. APAC Bidirectional Onboard Charger Sales Market Share by Region in 2026

Figure 44. APAC Bidirectional Onboard Charger Revenue Market Share by Region (2021-2026)

Figure 45. APAC Bidirectional Onboard Charger Sales Market Share by Type (2021-2026)

Figure 46. APAC Bidirectional Onboard Charger Sales Market Share by Application (2021-2026)

Figure 47. China Bidirectional Onboard Charger Revenue Growth 2021-2026 (\$ millions)

Figure 48. Japan Bidirectional Onboard Charger Revenue Growth 2021-2026 (\$

millions)

Figure 49. South Korea Bidirectional Onboard Charger Revenue Growth 2021-2026 (\$ millions)

Figure 50. Southeast Asia Bidirectional Onboard Charger Revenue Growth 2021-2026 (\$ millions)

Figure 51. India Bidirectional Onboard Charger Revenue Growth 2021-2026 (\$ millions)

Figure 52. Australia Bidirectional Onboard Charger Revenue Growth 2021-2026 (\$ millions)

Figure 53. China Taiwan Bidirectional Onboard Charger Revenue Growth 2021-2026 (\$ millions)

Figure 54. Europe Bidirectional Onboard Charger Sales Market Share by Country in 2026

Figure 55. Europe Bidirectional Onboard Charger Revenue Market Share by Country (2021-2026)

Figure 56. Europe Bidirectional Onboard Charger Sales Market Share by Type (2021-2026)

Figure 57. Europe Bidirectional Onboard Charger Sales Market Share by Application (2021-2026)

Figure 58. Germany Bidirectional Onboard Charger Revenue Growth 2021-2026 (\$ millions)

Figure 59. France Bidirectional Onboard Charger Revenue Growth 2021-2026 (\$ millions)

Figure 60. UK Bidirectional Onboard Charger Revenue Growth 2021-2026 (\$ millions)

Figure 61. Italy Bidirectional Onboard Charger Revenue Growth 2021-2026 (\$ millions)

Figure 62. Russia Bidirectional Onboard Charger Revenue Growth 2021-2026 (\$ millions)

Figure 63. Middle East & Africa Bidirectional Onboard Charger Sales Market Share by Country (2021-2026)

Figure 64. Middle East & Africa Bidirectional Onboard Charger Sales Market Share by Type (2021-2026)

Figure 65. Middle East & Africa Bidirectional Onboard Charger Sales Market Share by Application (2021-2026)

Figure 66. Egypt Bidirectional Onboard Charger Revenue Growth 2021-2026 (\$ millions)

Figure 67. South Africa Bidirectional Onboard Charger Revenue Growth 2021-2026 (\$ millions)

Figure 68. Israel Bidirectional Onboard Charger Revenue Growth 2021-2026 (\$ millions)

Figure 69. Turkey Bidirectional Onboard Charger Revenue Growth 2021-2026 (\$ millions)

Figure 70. GCC Countries Bidirectional Onboard Charger Revenue Growth 2021-2026 (\$ millions)

Figure 71. Manufacturing Cost Structure Analysis of Bidirectional Onboard Charger in 2026

Figure 72. Manufacturing Process Analysis of Bidirectional Onboard Charger

Figure 73. Industry Chain Structure of Bidirectional Onboard Charger

Figure 74. Channels of Distribution

Figure 75. Global Bidirectional Onboard Charger Sales Market Forecast by Region (2027-2032)

Figure 76. Global Bidirectional Onboard Charger Revenue Market Share Forecast by Region (2027-2032)

Figure 77. Global Bidirectional Onboard Charger Sales Market Share Forecast by Type (2027-2032)

Figure 78. Global Bidirectional Onboard Charger Revenue Market Share Forecast by Type (2027-2032)

Figure 79. Global Bidirectional Onboard Charger Sales Market Share Forecast by Application (2027-2032)

Figure 80. Global Bidirectional Onboard Charger Revenue Market Share Forecast by Application (2027-2032)

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