

# Global Bidirectional AC/DC Power Converter Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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## Abstracts

According to our (Global Info Research) latest study, the global Bidirectional AC/DC Power Converter market size was valued at US\$ 34.5 million in 2024 and is forecast to a readjusted size of USD 138 million by 2031 with a CAGR of 22.2% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Bidirectional AC/DC Power Converter is a crucial component in many power electronics systems, enabling the conversion of AC (alternating current) power to DC (direct current) and vice versa, while also allowing power to flow in both directions. This type of converter is essential in systems such as Vehicle-to-Grid (V2G), Energy Storage Systems (ESS), and grid-tied renewable energy systems, where the bidirectional flow of energy is required.

This report is a detailed and comprehensive analysis for global Bidirectional AC/DC Power Converter market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

## Key Features:

Global Bidirectional AC/DC Power Converter market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Bidirectional AC/DC Power Converter market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Bidirectional AC/DC Power Converter market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Bidirectional AC/DC Power Converter market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

### **The Primary Objectives in This Report Are:**

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Bidirectional AC/DC Power Converter

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Bidirectional AC/DC Power Converter market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Infypower, UUGreenPower, TonHe, Sinexcel, Winline Technology, TELD, Shenzhen Auto Electric Power Plant, JinGuan Electric, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

### **Market Segmentation**

Bidirectional AC/DC Power Converter market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

#### Market segment by Type

20kW and Below

20-30kW

Above 30kW

#### Market segment by Application

V2G Charger

Energy Storage Systems (ESS)

Others

#### Major players covered

Infypower

UUGreenPower

TonHe

Sinexcel

Winline Technology

TELD

Shenzhen Auto Electric Power Plant

JinGuan Electric

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe Bidirectional AC/DC Power Converter product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Bidirectional AC/DC Power Converter, with price, sales quantity, revenue, and global market share of Bidirectional AC/DC Power Converter from 2020 to 2025.

Chapter 3, the Bidirectional AC/DC Power Converter competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Bidirectional AC/DC Power Converter breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Bidirectional AC/DC Power Converter market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Bidirectional AC/DC Power Converter.

Chapter 14 and 15, to describe Bidirectional AC/DC Power Converter sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Bidirectional AC/DC Power Converter Consumption Value by Type: 2020 Versus 2024 Versus 2031

1.3.2 20kW and Below

1.3.3 20-30kW

1.3.4 Above 30kW

1.4 Market Analysis by Application

1.4.1 Overview: Global Bidirectional AC/DC Power Converter Consumption Value by Application: 2020 Versus 2024 Versus 2031

1.4.2 V2G Charger

1.4.3 Energy Storage Systems (ESS)

1.4.4 Others

1.5 Global Bidirectional AC/DC Power Converter Market Size & Forecast

1.5.1 Global Bidirectional AC/DC Power Converter Consumption Value (2020 & 2024 & 2031)

1.5.2 Global Bidirectional AC/DC Power Converter Sales Quantity (2020-2031)

1.5.3 Global Bidirectional AC/DC Power Converter Average Price (2020-2031)

### 2 MANUFACTURERS PROFILES

2.1 Infypower

2.1.1 Infypower Details

2.1.2 Infypower Major Business

2.1.3 Infypower Bidirectional AC/DC Power Converter Product and Services

2.1.4 Infypower Bidirectional AC/DC Power Converter Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.1.5 Infypower Recent Developments/Updates

2.2 UUGreenPower

2.2.1 UUGreenPower Details

2.2.2 UUGreenPower Major Business

2.2.3 UUGreenPower Bidirectional AC/DC Power Converter Product and Services

2.2.4 UUGreenPower Bidirectional AC/DC Power Converter Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

- 2.2.5 UUGreenPower Recent Developments/Updates
- 2.3 TonHe
  - 2.3.1 TonHe Details
  - 2.3.2 TonHe Major Business
  - 2.3.3 TonHe Bidirectional AC/DC Power Converter Product and Services
  - 2.3.4 TonHe Bidirectional AC/DC Power Converter Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.3.5 TonHe Recent Developments/Updates
- 2.4 Sinexcel
  - 2.4.1 Sinexcel Details
  - 2.4.2 Sinexcel Major Business
  - 2.4.3 Sinexcel Bidirectional AC/DC Power Converter Product and Services
  - 2.4.4 Sinexcel Bidirectional AC/DC Power Converter Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.4.5 Sinexcel Recent Developments/Updates
- 2.5 Winline Technology
  - 2.5.1 Winline Technology Details
  - 2.5.2 Winline Technology Major Business
  - 2.5.3 Winline Technology Bidirectional AC/DC Power Converter Product and Services
  - 2.5.4 Winline Technology Bidirectional AC/DC Power Converter Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.5.5 Winline Technology Recent Developments/Updates
- 2.6 TELD
  - 2.6.1 TELD Details
  - 2.6.2 TELD Major Business
  - 2.6.3 TELD Bidirectional AC/DC Power Converter Product and Services
  - 2.6.4 TELD Bidirectional AC/DC Power Converter Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.6.5 TELD Recent Developments/Updates
- 2.7 Shenzhen Auto Electric Power Plant
  - 2.7.1 Shenzhen Auto Electric Power Plant Details
  - 2.7.2 Shenzhen Auto Electric Power Plant Major Business
  - 2.7.3 Shenzhen Auto Electric Power Plant Bidirectional AC/DC Power Converter Product and Services
  - 2.7.4 Shenzhen Auto Electric Power Plant Bidirectional AC/DC Power Converter Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.7.5 Shenzhen Auto Electric Power Plant Recent Developments/Updates
- 2.8 JinGuan Electric
  - 2.8.1 JinGuan Electric Details

- 2.8.2 JinGuan Electric Major Business
- 2.8.3 JinGuan Electric Bidirectional AC/DC Power Converter Product and Services
- 2.8.4 JinGuan Electric Bidirectional AC/DC Power Converter Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.8.5 JinGuan Electric Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: BIDIRECTIONAL AC/DC POWER CONVERTER BY MANUFACTURER**

- 3.1 Global Bidirectional AC/DC Power Converter Sales Quantity by Manufacturer (2020-2025)
- 3.2 Global Bidirectional AC/DC Power Converter Revenue by Manufacturer (2020-2025)
- 3.3 Global Bidirectional AC/DC Power Converter Average Price by Manufacturer (2020-2025)
- 3.4 Market Share Analysis (2024)
  - 3.4.1 Producer Shipments of Bidirectional AC/DC Power Converter by Manufacturer Revenue (\$MM) and Market Share (%): 2024
  - 3.4.2 Top 3 Bidirectional AC/DC Power Converter Manufacturer Market Share in 2024
  - 3.4.3 Top 6 Bidirectional AC/DC Power Converter Manufacturer Market Share in 2024
- 3.5 Bidirectional AC/DC Power Converter Market: Overall Company Footprint Analysis
  - 3.5.1 Bidirectional AC/DC Power Converter Market: Region Footprint
  - 3.5.2 Bidirectional AC/DC Power Converter Market: Company Product Type Footprint
  - 3.5.3 Bidirectional AC/DC Power Converter Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

### **4 CONSUMPTION ANALYSIS BY REGION**

- 4.1 Global Bidirectional AC/DC Power Converter Market Size by Region
  - 4.1.1 Global Bidirectional AC/DC Power Converter Sales Quantity by Region (2020-2031)
  - 4.1.2 Global Bidirectional AC/DC Power Converter Consumption Value by Region (2020-2031)
  - 4.1.3 Global Bidirectional AC/DC Power Converter Average Price by Region (2020-2031)
- 4.2 North America Bidirectional AC/DC Power Converter Consumption Value (2020-2031)
- 4.3 Europe Bidirectional AC/DC Power Converter Consumption Value (2020-2031)

4.4 Asia-Pacific Bidirectional AC/DC Power Converter Consumption Value (2020-2031)

4.5 South America Bidirectional AC/DC Power Converter Consumption Value (2020-2031)

4.6 Middle East & Africa Bidirectional AC/DC Power Converter Consumption Value (2020-2031)

## **5 MARKET SEGMENT BY TYPE**

5.1 Global Bidirectional AC/DC Power Converter Sales Quantity by Type (2020-2031)

5.2 Global Bidirectional AC/DC Power Converter Consumption Value by Type (2020-2031)

5.3 Global Bidirectional AC/DC Power Converter Average Price by Type (2020-2031)

## **6 MARKET SEGMENT BY APPLICATION**

6.1 Global Bidirectional AC/DC Power Converter Sales Quantity by Application (2020-2031)

6.2 Global Bidirectional AC/DC Power Converter Consumption Value by Application (2020-2031)

6.3 Global Bidirectional AC/DC Power Converter Average Price by Application (2020-2031)

## **7 NORTH AMERICA**

7.1 North America Bidirectional AC/DC Power Converter Sales Quantity by Type (2020-2031)

7.2 North America Bidirectional AC/DC Power Converter Sales Quantity by Application (2020-2031)

7.3 North America Bidirectional AC/DC Power Converter Market Size by Country

7.3.1 North America Bidirectional AC/DC Power Converter Sales Quantity by Country (2020-2031)

7.3.2 North America Bidirectional AC/DC Power Converter Consumption Value by Country (2020-2031)

7.3.3 United States Market Size and Forecast (2020-2031)

7.3.4 Canada Market Size and Forecast (2020-2031)

7.3.5 Mexico Market Size and Forecast (2020-2031)

## **8 EUROPE**

8.1 Europe Bidirectional AC/DC Power Converter Sales Quantity by Type (2020-2031)

8.2 Europe Bidirectional AC/DC Power Converter Sales Quantity by Application (2020-2031)

8.3 Europe Bidirectional AC/DC Power Converter Market Size by Country

8.3.1 Europe Bidirectional AC/DC Power Converter Sales Quantity by Country (2020-2031)

8.3.2 Europe Bidirectional AC/DC Power Converter Consumption Value by Country (2020-2031)

8.3.3 Germany Market Size and Forecast (2020-2031)

8.3.4 France Market Size and Forecast (2020-2031)

8.3.5 United Kingdom Market Size and Forecast (2020-2031)

8.3.6 Russia Market Size and Forecast (2020-2031)

8.3.7 Italy Market Size and Forecast (2020-2031)

## **9 ASIA-PACIFIC**

9.1 Asia-Pacific Bidirectional AC/DC Power Converter Sales Quantity by Type (2020-2031)

9.2 Asia-Pacific Bidirectional AC/DC Power Converter Sales Quantity by Application (2020-2031)

9.3 Asia-Pacific Bidirectional AC/DC Power Converter Market Size by Region

9.3.1 Asia-Pacific Bidirectional AC/DC Power Converter Sales Quantity by Region (2020-2031)

9.3.2 Asia-Pacific Bidirectional AC/DC Power Converter Consumption Value by Region (2020-2031)

9.3.3 China Market Size and Forecast (2020-2031)

9.3.4 Japan Market Size and Forecast (2020-2031)

9.3.5 South Korea Market Size and Forecast (2020-2031)

9.3.6 India Market Size and Forecast (2020-2031)

9.3.7 Southeast Asia Market Size and Forecast (2020-2031)

9.3.8 Australia Market Size and Forecast (2020-2031)

## **10 SOUTH AMERICA**

10.1 South America Bidirectional AC/DC Power Converter Sales Quantity by Type (2020-2031)

10.2 South America Bidirectional AC/DC Power Converter Sales Quantity by Application (2020-2031)

10.3 South America Bidirectional AC/DC Power Converter Market Size by Country

10.3.1 South America Bidirectional AC/DC Power Converter Sales Quantity by Country (2020-2031)

10.3.2 South America Bidirectional AC/DC Power Converter Consumption Value by Country (2020-2031)

10.3.3 Brazil Market Size and Forecast (2020-2031)

10.3.4 Argentina Market Size and Forecast (2020-2031)

## **11 MIDDLE EAST & AFRICA**

11.1 Middle East & Africa Bidirectional AC/DC Power Converter Sales Quantity by Type (2020-2031)

11.2 Middle East & Africa Bidirectional AC/DC Power Converter Sales Quantity by Application (2020-2031)

11.3 Middle East & Africa Bidirectional AC/DC Power Converter Market Size by Country

11.3.1 Middle East & Africa Bidirectional AC/DC Power Converter Sales Quantity by Country (2020-2031)

11.3.2 Middle East & Africa Bidirectional AC/DC Power Converter Consumption Value by Country (2020-2031)

11.3.3 Turkey Market Size and Forecast (2020-2031)

11.3.4 Egypt Market Size and Forecast (2020-2031)

11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)

11.3.6 South Africa Market Size and Forecast (2020-2031)

## **12 MARKET DYNAMICS**

12.1 Bidirectional AC/DC Power Converter Market Drivers

12.2 Bidirectional AC/DC Power Converter Market Restraints

12.3 Bidirectional AC/DC Power Converter Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

## **13 RAW MATERIAL AND INDUSTRY CHAIN**

13.1 Raw Material of Bidirectional AC/DC Power Converter and Key Manufacturers

13.2 Manufacturing Costs Percentage of Bidirectional AC/DC Power Converter

- 13.3 Bidirectional AC/DC Power Converter Production Process
- 13.4 Industry Value Chain Analysis

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

- 14.1 Sales Channel
  - 14.1.1 Direct to End-User
  - 14.1.2 Distributors
- 14.2 Bidirectional AC/DC Power Converter Typical Distributors
- 14.3 Bidirectional AC/DC Power Converter Typical Customers

## **15 RESEARCH FINDINGS AND CONCLUSION**

## **16 APPENDIX**

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global Bidirectional AC/DC Power Converter Consumption Value by Type, (USD Million), 2020 & 2024 & 2031

Table 2. Global Bidirectional AC/DC Power Converter Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Table 3. Infypower Basic Information, Manufacturing Base and Competitors

Table 4. Infypower Major Business

Table 5. Infypower Bidirectional AC/DC Power Converter Product and Services

Table 6. Infypower Bidirectional AC/DC Power Converter Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 7. Infypower Recent Developments/Updates

Table 8. UUGreenPower Basic Information, Manufacturing Base and Competitors

Table 9. UUGreenPower Major Business

Table 10. UUGreenPower Bidirectional AC/DC Power Converter Product and Services

Table 11. UUGreenPower Bidirectional AC/DC Power Converter Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 12. UUGreenPower Recent Developments/Updates

Table 13. TonHe Basic Information, Manufacturing Base and Competitors

Table 14. TonHe Major Business

Table 15. TonHe Bidirectional AC/DC Power Converter Product and Services

Table 16. TonHe Bidirectional AC/DC Power Converter Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 17. TonHe Recent Developments/Updates

Table 18. Sinexcel Basic Information, Manufacturing Base and Competitors

Table 19. Sinexcel Major Business

Table 20. Sinexcel Bidirectional AC/DC Power Converter Product and Services

Table 21. Sinexcel Bidirectional AC/DC Power Converter Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 22. Sinexcel Recent Developments/Updates

Table 23. Winline Technology Basic Information, Manufacturing Base and Competitors

Table 24. Winline Technology Major Business

Table 25. Winline Technology Bidirectional AC/DC Power Converter Product and

## Services

Table 26. Winline Technology Bidirectional AC/DC Power Converter Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 27. Winline Technology Recent Developments/Updates

Table 28. TELD Basic Information, Manufacturing Base and Competitors

Table 29. TELD Major Business

Table 30. TELD Bidirectional AC/DC Power Converter Product and Services

Table 31. TELD Bidirectional AC/DC Power Converter Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 32. TELD Recent Developments/Updates

Table 33. Shenzhen Auto Electric Power Plant Basic Information, Manufacturing Base and Competitors

Table 34. Shenzhen Auto Electric Power Plant Major Business

Table 35. Shenzhen Auto Electric Power Plant Bidirectional AC/DC Power Converter Product and Services

Table 36. Shenzhen Auto Electric Power Plant Bidirectional AC/DC Power Converter Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 37. Shenzhen Auto Electric Power Plant Recent Developments/Updates

Table 38. JinGuan Electric Basic Information, Manufacturing Base and Competitors

Table 39. JinGuan Electric Major Business

Table 40. JinGuan Electric Bidirectional AC/DC Power Converter Product and Services

Table 41. JinGuan Electric Bidirectional AC/DC Power Converter Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 42. JinGuan Electric Recent Developments/Updates

Table 43. Global Bidirectional AC/DC Power Converter Sales Quantity by Manufacturer (2020-2025) & (K Units)

Table 44. Global Bidirectional AC/DC Power Converter Revenue by Manufacturer (2020-2025) & (USD Million)

Table 45. Global Bidirectional AC/DC Power Converter Average Price by Manufacturer (2020-2025) & (US\$/Unit)

Table 46. Market Position of Manufacturers in Bidirectional AC/DC Power Converter, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024

Table 47. Head Office and Bidirectional AC/DC Power Converter Production Site of Key Manufacturer

Table 48. Bidirectional AC/DC Power Converter Market: Company Product Type

**Footprint**

Table 49. Bidirectional AC/DC Power Converter Market: Company Product Application

**Footprint**

Table 50. Bidirectional AC/DC Power Converter New Market Entrants and Barriers to Market Entry

Table 51. Bidirectional AC/DC Power Converter Mergers, Acquisition, Agreements, and Collaborations

Table 52. Global Bidirectional AC/DC Power Converter Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR

Table 53. Global Bidirectional AC/DC Power Converter Sales Quantity by Region (2020-2025) & (K Units)

Table 54. Global Bidirectional AC/DC Power Converter Sales Quantity by Region (2026-2031) & (K Units)

Table 55. Global Bidirectional AC/DC Power Converter Consumption Value by Region (2020-2025) & (USD Million)

Table 56. Global Bidirectional AC/DC Power Converter Consumption Value by Region (2026-2031) & (USD Million)

Table 57. Global Bidirectional AC/DC Power Converter Average Price by Region (2020-2025) & (US\$/Unit)

Table 58. Global Bidirectional AC/DC Power Converter Average Price by Region (2026-2031) & (US\$/Unit)

Table 59. Global Bidirectional AC/DC Power Converter Sales Quantity by Type (2020-2025) & (K Units)

Table 60. Global Bidirectional AC/DC Power Converter Sales Quantity by Type (2026-2031) & (K Units)

Table 61. Global Bidirectional AC/DC Power Converter Consumption Value by Type (2020-2025) & (USD Million)

Table 62. Global Bidirectional AC/DC Power Converter Consumption Value by Type (2026-2031) & (USD Million)

Table 63. Global Bidirectional AC/DC Power Converter Average Price by Type (2020-2025) & (US\$/Unit)

Table 64. Global Bidirectional AC/DC Power Converter Average Price by Type (2026-2031) & (US\$/Unit)

Table 65. Global Bidirectional AC/DC Power Converter Sales Quantity by Application (2020-2025) & (K Units)

Table 66. Global Bidirectional AC/DC Power Converter Sales Quantity by Application (2026-2031) & (K Units)

Table 67. Global Bidirectional AC/DC Power Converter Consumption Value by Application (2020-2025) & (USD Million)

Table 68. Global Bidirectional AC/DC Power Converter Consumption Value by Application (2026-2031) & (USD Million)

Table 69. Global Bidirectional AC/DC Power Converter Average Price by Application (2020-2025) & (US\$/Unit)

Table 70. Global Bidirectional AC/DC Power Converter Average Price by Application (2026-2031) & (US\$/Unit)

Table 71. North America Bidirectional AC/DC Power Converter Sales Quantity by Type (2020-2025) & (K Units)

Table 72. North America Bidirectional AC/DC Power Converter Sales Quantity by Type (2026-2031) & (K Units)

Table 73. North America Bidirectional AC/DC Power Converter Sales Quantity by Application (2020-2025) & (K Units)

Table 74. North America Bidirectional AC/DC Power Converter Sales Quantity by Application (2026-2031) & (K Units)

Table 75. North America Bidirectional AC/DC Power Converter Sales Quantity by Country (2020-2025) & (K Units)

Table 76. North America Bidirectional AC/DC Power Converter Sales Quantity by Country (2026-2031) & (K Units)

Table 77. North America Bidirectional AC/DC Power Converter Consumption Value by Country (2020-2025) & (USD Million)

Table 78. North America Bidirectional AC/DC Power Converter Consumption Value by Country (2026-2031) & (USD Million)

Table 79. Europe Bidirectional AC/DC Power Converter Sales Quantity by Type (2020-2025) & (K Units)

Table 80. Europe Bidirectional AC/DC Power Converter Sales Quantity by Type (2026-2031) & (K Units)

Table 81. Europe Bidirectional AC/DC Power Converter Sales Quantity by Application (2020-2025) & (K Units)

Table 82. Europe Bidirectional AC/DC Power Converter Sales Quantity by Application (2026-2031) & (K Units)

Table 83. Europe Bidirectional AC/DC Power Converter Sales Quantity by Country (2020-2025) & (K Units)

Table 84. Europe Bidirectional AC/DC Power Converter Sales Quantity by Country (2026-2031) & (K Units)

Table 85. Europe Bidirectional AC/DC Power Converter Consumption Value by Country (2020-2025) & (USD Million)

Table 86. Europe Bidirectional AC/DC Power Converter Consumption Value by Country (2026-2031) & (USD Million)

Table 87. Asia-Pacific Bidirectional AC/DC Power Converter Sales Quantity by Type

(2020-2025) & (K Units)

Table 88. Asia-Pacific Bidirectional AC/DC Power Converter Sales Quantity by Type (2026-2031) & (K Units)

Table 89. Asia-Pacific Bidirectional AC/DC Power Converter Sales Quantity by Application (2020-2025) & (K Units)

Table 90. Asia-Pacific Bidirectional AC/DC Power Converter Sales Quantity by Application (2026-2031) & (K Units)

Table 91. Asia-Pacific Bidirectional AC/DC Power Converter Sales Quantity by Region (2020-2025) & (K Units)

Table 92. Asia-Pacific Bidirectional AC/DC Power Converter Sales Quantity by Region (2026-2031) & (K Units)

Table 93. Asia-Pacific Bidirectional AC/DC Power Converter Consumption Value by Region (2020-2025) & (USD Million)

Table 94. Asia-Pacific Bidirectional AC/DC Power Converter Consumption Value by Region (2026-2031) & (USD Million)

Table 95. South America Bidirectional AC/DC Power Converter Sales Quantity by Type (2020-2025) & (K Units)

Table 96. South America Bidirectional AC/DC Power Converter Sales Quantity by Type (2026-2031) & (K Units)

Table 97. South America Bidirectional AC/DC Power Converter Sales Quantity by Application (2020-2025) & (K Units)

Table 98. South America Bidirectional AC/DC Power Converter Sales Quantity by Application (2026-2031) & (K Units)

Table 99. South America Bidirectional AC/DC Power Converter Sales Quantity by Country (2020-2025) & (K Units)

Table 100. South America Bidirectional AC/DC Power Converter Sales Quantity by Country (2026-2031) & (K Units)

Table 101. South America Bidirectional AC/DC Power Converter Consumption Value by Country (2020-2025) & (USD Million)

Table 102. South America Bidirectional AC/DC Power Converter Consumption Value by Country (2026-2031) & (USD Million)

Table 103. Middle East & Africa Bidirectional AC/DC Power Converter Sales Quantity by Type (2020-2025) & (K Units)

Table 104. Middle East & Africa Bidirectional AC/DC Power Converter Sales Quantity by Type (2026-2031) & (K Units)

Table 105. Middle East & Africa Bidirectional AC/DC Power Converter Sales Quantity by Application (2020-2025) & (K Units)

Table 106. Middle East & Africa Bidirectional AC/DC Power Converter Sales Quantity by Application (2026-2031) & (K Units)

Table 107. Middle East & Africa Bidirectional AC/DC Power Converter Sales Quantity by Country (2020-2025) & (K Units)

Table 108. Middle East & Africa Bidirectional AC/DC Power Converter Sales Quantity by Country (2026-2031) & (K Units)

Table 109. Middle East & Africa Bidirectional AC/DC Power Converter Consumption Value by Country (2020-2025) & (USD Million)

Table 110. Middle East & Africa Bidirectional AC/DC Power Converter Consumption Value by Country (2026-2031) & (USD Million)

Table 111. Bidirectional AC/DC Power Converter Raw Material

Table 112. Key Manufacturers of Bidirectional AC/DC Power Converter Raw Materials

Table 113. Bidirectional AC/DC Power Converter Typical Distributors

Table 114. Bidirectional AC/DC Power Converter Typical Customers

## List Of Figures

### LIST OF FIGURES

- Figure 1. Bidirectional AC/DC Power Converter Picture
- Figure 2. Global Bidirectional AC/DC Power Converter Revenue by Type, (USD Million), 2020 & 2024 & 2031
- Figure 3. Global Bidirectional AC/DC Power Converter Revenue Market Share by Type in 2024
- Figure 4. 20kW and Below Examples
- Figure 5. 20-30kW Examples
- Figure 6. Above 30kW Examples
- Figure 7. Global Bidirectional AC/DC Power Converter Consumption Value by Application, (USD Million), 2020 & 2024 & 2031
- Figure 8. Global Bidirectional AC/DC Power Converter Revenue Market Share by Application in 2024
- Figure 9. V2G Charger Examples
- Figure 10. Energy Storage Systems (ESS) Examples
- Figure 11. Others Examples
- Figure 12. Global Bidirectional AC/DC Power Converter Consumption Value, (USD Million): 2020 & 2024 & 2031
- Figure 13. Global Bidirectional AC/DC Power Converter Consumption Value and Forecast (2020-2031) & (USD Million)
- Figure 14. Global Bidirectional AC/DC Power Converter Sales Quantity (2020-2031) & (K Units)
- Figure 15. Global Bidirectional AC/DC Power Converter Price (2020-2031) & (US\$/Unit)
- Figure 16. Global Bidirectional AC/DC Power Converter Sales Quantity Market Share by Manufacturer in 2024
- Figure 17. Global Bidirectional AC/DC Power Converter Revenue Market Share by Manufacturer in 2024
- Figure 18. Producer Shipments of Bidirectional AC/DC Power Converter by Manufacturer Sales (\$MM) and Market Share (%): 2024
- Figure 19. Top 3 Bidirectional AC/DC Power Converter Manufacturer (Revenue) Market Share in 2024
- Figure 20. Top 6 Bidirectional AC/DC Power Converter Manufacturer (Revenue) Market Share in 2024
- Figure 21. Global Bidirectional AC/DC Power Converter Sales Quantity Market Share by Region (2020-2031)
- Figure 22. Global Bidirectional AC/DC Power Converter Consumption Value Market

Share by Region (2020-2031)

Figure 23. North America Bidirectional AC/DC Power Converter Consumption Value (2020-2031) & (USD Million)

Figure 24. Europe Bidirectional AC/DC Power Converter Consumption Value (2020-2031) & (USD Million)

Figure 25. Asia-Pacific Bidirectional AC/DC Power Converter Consumption Value (2020-2031) & (USD Million)

Figure 26. South America Bidirectional AC/DC Power Converter Consumption Value (2020-2031) & (USD Million)

Figure 27. Middle East & Africa Bidirectional AC/DC Power Converter Consumption Value (2020-2031) & (USD Million)

Figure 28. Global Bidirectional AC/DC Power Converter Sales Quantity Market Share by Type (2020-2031)

Figure 29. Global Bidirectional AC/DC Power Converter Consumption Value Market Share by Type (2020-2031)

Figure 30. Global Bidirectional AC/DC Power Converter Average Price by Type (2020-2031) & (US\$/Unit)

Figure 31. Global Bidirectional AC/DC Power Converter Sales Quantity Market Share by Application (2020-2031)

Figure 32. Global Bidirectional AC/DC Power Converter Revenue Market Share by Application (2020-2031)

Figure 33. Global Bidirectional AC/DC Power Converter Average Price by Application (2020-2031) & (US\$/Unit)

Figure 34. North America Bidirectional AC/DC Power Converter Sales Quantity Market Share by Type (2020-2031)

Figure 35. North America Bidirectional AC/DC Power Converter Sales Quantity Market Share by Application (2020-2031)

Figure 36. North America Bidirectional AC/DC Power Converter Sales Quantity Market Share by Country (2020-2031)

Figure 37. North America Bidirectional AC/DC Power Converter Consumption Value Market Share by Country (2020-2031)

Figure 38. United States Bidirectional AC/DC Power Converter Consumption Value (2020-2031) & (USD Million)

Figure 39. Canada Bidirectional AC/DC Power Converter Consumption Value (2020-2031) & (USD Million)

Figure 40. Mexico Bidirectional AC/DC Power Converter Consumption Value (2020-2031) & (USD Million)

Figure 41. Europe Bidirectional AC/DC Power Converter Sales Quantity Market Share by Type (2020-2031)

Figure 42. Europe Bidirectional AC/DC Power Converter Sales Quantity Market Share by Application (2020-2031)

Figure 43. Europe Bidirectional AC/DC Power Converter Sales Quantity Market Share by Country (2020-2031)

Figure 44. Europe Bidirectional AC/DC Power Converter Consumption Value Market Share by Country (2020-2031)

Figure 45. Germany Bidirectional AC/DC Power Converter Consumption Value (2020-2031) & (USD Million)

Figure 46. France Bidirectional AC/DC Power Converter Consumption Value (2020-2031) & (USD Million)

Figure 47. United Kingdom Bidirectional AC/DC Power Converter Consumption Value (2020-2031) & (USD Million)

Figure 48. Russia Bidirectional AC/DC Power Converter Consumption Value (2020-2031) & (USD Million)

Figure 49. Italy Bidirectional AC/DC Power Converter Consumption Value (2020-2031) & (USD Million)

Figure 50. Asia-Pacific Bidirectional AC/DC Power Converter Sales Quantity Market Share by Type (2020-2031)

Figure 51. Asia-Pacific Bidirectional AC/DC Power Converter Sales Quantity Market Share by Application (2020-2031)

Figure 52. Asia-Pacific Bidirectional AC/DC Power Converter Sales Quantity Market Share by Region (2020-2031)

Figure 53. Asia-Pacific Bidirectional AC/DC Power Converter Consumption Value Market Share by Region (2020-2031)

Figure 54. China Bidirectional AC/DC Power Converter Consumption Value (2020-2031) & (USD Million)

Figure 55. Japan Bidirectional AC/DC Power Converter Consumption Value (2020-2031) & (USD Million)

Figure 56. South Korea Bidirectional AC/DC Power Converter Consumption Value (2020-2031) & (USD Million)

Figure 57. India Bidirectional AC/DC Power Converter Consumption Value (2020-2031) & (USD Million)

Figure 58. Southeast Asia Bidirectional AC/DC Power Converter Consumption Value (2020-2031) & (USD Million)

Figure 59. Australia Bidirectional AC/DC Power Converter Consumption Value (2020-2031) & (USD Million)

Figure 60. South America Bidirectional AC/DC Power Converter Sales Quantity Market Share by Type (2020-2031)

Figure 61. South America Bidirectional AC/DC Power Converter Sales Quantity Market

Share by Application (2020-2031)

Figure 62. South America Bidirectional AC/DC Power Converter Sales Quantity Market Share by Country (2020-2031)

Figure 63. South America Bidirectional AC/DC Power Converter Consumption Value Market Share by Country (2020-2031)

Figure 64. Brazil Bidirectional AC/DC Power Converter Consumption Value (2020-2031) & (USD Million)

Figure 65. Argentina Bidirectional AC/DC Power Converter Consumption Value (2020-2031) & (USD Million)

Figure 66. Middle East & Africa Bidirectional AC/DC Power Converter Sales Quantity Market Share by Type (2020-2031)

Figure 67. Middle East & Africa Bidirectional AC/DC Power Converter Sales Quantity Market Share by Application (2020-2031)

Figure 68. Middle East & Africa Bidirectional AC/DC Power Converter Sales Quantity Market Share by Country (2020-2031)

Figure 69. Middle East & Africa Bidirectional AC/DC Power Converter Consumption Value Market Share by Country (2020-2031)

Figure 70. Turkey Bidirectional AC/DC Power Converter Consumption Value (2020-2031) & (USD Million)

Figure 71. Egypt Bidirectional AC/DC Power Converter Consumption Value (2020-2031) & (USD Million)

Figure 72. Saudi Arabia Bidirectional AC/DC Power Converter Consumption Value (2020-2031) & (USD Million)

Figure 73. South Africa Bidirectional AC/DC Power Converter Consumption Value (2020-2031) & (USD Million)

Figure 74. Bidirectional AC/DC Power Converter Market Drivers

Figure 75. Bidirectional AC/DC Power Converter Market Restraints

Figure 76. Bidirectional AC/DC Power Converter Market Trends

Figure 77. Porters Five Forces Analysis

Figure 78. Manufacturing Cost Structure Analysis of Bidirectional AC/DC Power Converter in 2024

Figure 79. Manufacturing Process Analysis of Bidirectional AC/DC Power Converter

Figure 80. Bidirectional AC/DC Power Converter Industrial Chain

Figure 81. Sales Channel: Direct to End-User vs Distributors

Figure 82. Direct Channel Pros & Cons

Figure 83. Indirect Channel Pros & Cons

Figure 84. Methodology

Figure 85. Research Process and Data Source

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