

# Global High-voltage EV Battery Disconnect Unit (BDU) 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 High-voltage EV Battery Disconnect Unit (BDU) market size was valued at US\$ 365 million in 2024 and is forecast to a readjusted size of USD 1223 million by 2031 with a CAGR of 18.7% 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.

High voltage electric vehicle battery disconnect unit (BDU) is the core electrical safety module in high-voltage power battery systems, widely used in 800V and 1000V high-voltage platform electric vehicles. Its main function is to achieve electrical connection and disconnection between the battery pack and the vehicle's high-voltage system, ensuring electrical isolation and protection during vehicle start-up, charging, discharging, and fault occurrence.

This report is a detailed and comprehensive analysis for global High-voltage EV Battery Disconnect Unit (BDU) 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 High-voltage EV Battery Disconnect Unit (BDU) market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global High-voltage EV Battery Disconnect Unit (BDU) 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 High-voltage EV Battery Disconnect Unit (BDU) 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 High-voltage EV Battery Disconnect Unit (BDU) 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 High-voltage EV Battery Disconnect Unit (BDU)
- 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 High-voltage EV Battery Disconnect Unit (BDU) 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 Panasonic, BYD, WuHan Jason Automotive Technology, Eaton, Lear Corporation, Chilye Green Technology, Aptiv, CATL, Ningbo Fengmei, Xiamen Hongfa Electroacoustic, etc.

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

## Market Segmentation

High-voltage EV Battery Disconnect Unit (BDU) 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

800V

1000V

### Market segment by Application

BEV

PHEV

### Major players covered

Panasonic

BYD

WuHan Jason Automotive Technology

Eaton

Lear Corporation

Chilye Green Technology

Aptiv

CATL

Ningbo Fengmei

Xiamen Hongfa Electroacoustic

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 High-voltage EV Battery Disconnect Unit (BDU) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of High-voltage EV Battery Disconnect Unit (BDU), with price, sales quantity, revenue, and global market share of High-voltage EV Battery Disconnect Unit (BDU) from 2020 to 2025.

Chapter 3, the High-voltage EV Battery Disconnect Unit (BDU) competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the High-voltage EV Battery Disconnect Unit (BDU) 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 High-voltage EV Battery Disconnect Unit (BDU) 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 High-voltage EV Battery Disconnect Unit (BDU).

Chapter 14 and 15, to describe High-voltage EV Battery Disconnect Unit (BDU) 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 High-voltage EV Battery Disconnect Unit (BDU) Consumption Value by Type: 2020 Versus 2024 Versus 2031

1.3.2 800V

1.3.3 1000V

1.4 Market Analysis by Application

1.4.1 Overview: Global High-voltage EV Battery Disconnect Unit (BDU) Consumption Value by Application: 2020 Versus 2024 Versus 2031

1.4.2 BEV

1.4.3 PHEV

1.5 Global High-voltage EV Battery Disconnect Unit (BDU) Market Size & Forecast

1.5.1 Global High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020 & 2024 & 2031)

1.5.2 Global High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity (2020-2031)

1.5.3 Global High-voltage EV Battery Disconnect Unit (BDU) Average Price (2020-2031)

### 2 MANUFACTURERS PROFILES

2.1 Panasonic

2.1.1 Panasonic Details

2.1.2 Panasonic Major Business

2.1.3 Panasonic High-voltage EV Battery Disconnect Unit (BDU) Product and Services

2.1.4 Panasonic High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.1.5 Panasonic Recent Developments/Updates

2.2 BYD

2.2.1 BYD Details

2.2.2 BYD Major Business

2.2.3 BYD High-voltage EV Battery Disconnect Unit (BDU) Product and Services

2.2.4 BYD High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

- 2.2.5 BYD Recent Developments/Updates
- 2.3 WuHan Jason Automotive Technology
  - 2.3.1 WuHan Jason Automotive Technology Details
  - 2.3.2 WuHan Jason Automotive Technology Major Business
  - 2.3.3 WuHan Jason Automotive Technology High-voltage EV Battery Disconnect Unit (BDU) Product and Services
  - 2.3.4 WuHan Jason Automotive Technology High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.3.5 WuHan Jason Automotive Technology Recent Developments/Updates
- 2.4 Eaton
  - 2.4.1 Eaton Details
  - 2.4.2 Eaton Major Business
  - 2.4.3 Eaton High-voltage EV Battery Disconnect Unit (BDU) Product and Services
  - 2.4.4 Eaton High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.4.5 Eaton Recent Developments/Updates
- 2.5 Lear Corporation
  - 2.5.1 Lear Corporation Details
  - 2.5.2 Lear Corporation Major Business
  - 2.5.3 Lear Corporation High-voltage EV Battery Disconnect Unit (BDU) Product and Services
  - 2.5.4 Lear Corporation High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.5.5 Lear Corporation Recent Developments/Updates
- 2.6 Chilye Green Technology
  - 2.6.1 Chilye Green Technology Details
  - 2.6.2 Chilye Green Technology Major Business
  - 2.6.3 Chilye Green Technology High-voltage EV Battery Disconnect Unit (BDU) Product and Services
  - 2.6.4 Chilye Green Technology High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.6.5 Chilye Green Technology Recent Developments/Updates
- 2.7 Aptiv
  - 2.7.1 Aptiv Details
  - 2.7.2 Aptiv Major Business
  - 2.7.3 Aptiv High-voltage EV Battery Disconnect Unit (BDU) Product and Services
  - 2.7.4 Aptiv High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.7.5 Aptiv Recent Developments/Updates

## 2.8 CATL

2.8.1 CATL Details

2.8.2 CATL Major Business

2.8.3 CATL High-voltage EV Battery Disconnect Unit (BDU) Product and Services

2.8.4 CATL High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.8.5 CATL Recent Developments/Updates

## 2.9 Ningbo Fengmei

2.9.1 Ningbo Fengmei Details

2.9.2 Ningbo Fengmei Major Business

2.9.3 Ningbo Fengmei High-voltage EV Battery Disconnect Unit (BDU) Product and Services

2.9.4 Ningbo Fengmei High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.9.5 Ningbo Fengmei Recent Developments/Updates

## 2.10 Xiamen Hongfa Electroacoustic

2.10.1 Xiamen Hongfa Electroacoustic Details

2.10.2 Xiamen Hongfa Electroacoustic Major Business

2.10.3 Xiamen Hongfa Electroacoustic High-voltage EV Battery Disconnect Unit (BDU) Product and Services

2.10.4 Xiamen Hongfa Electroacoustic High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.10.5 Xiamen Hongfa Electroacoustic Recent Developments/Updates

## **3 COMPETITIVE ENVIRONMENT: HIGH-VOLTAGE EV BATTERY DISCONNECT UNIT (BDU) BY MANUFACTURER**

3.1 Global High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Manufacturer (2020-2025)

3.2 Global High-voltage EV Battery Disconnect Unit (BDU) Revenue by Manufacturer (2020-2025)

3.3 Global High-voltage EV Battery Disconnect Unit (BDU) Average Price by Manufacturer (2020-2025)

3.4 Market Share Analysis (2024)

3.4.1 Producer Shipments of High-voltage EV Battery Disconnect Unit (BDU) by Manufacturer Revenue (\$MM) and Market Share (%): 2024

3.4.2 Top 3 High-voltage EV Battery Disconnect Unit (BDU) Manufacturer Market Share in 2024

3.4.3 Top 6 High-voltage EV Battery Disconnect Unit (BDU) Manufacturer Market Share in 2024

3.5 High-voltage EV Battery Disconnect Unit (BDU) Market: Overall Company Footprint Analysis

3.5.1 High-voltage EV Battery Disconnect Unit (BDU) Market: Region Footprint

3.5.2 High-voltage EV Battery Disconnect Unit (BDU) Market: Company Product Type Footprint

3.5.3 High-voltage EV Battery Disconnect Unit (BDU) 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 High-voltage EV Battery Disconnect Unit (BDU) Market Size by Region

4.1.1 Global High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Region (2020-2031)

4.1.2 Global High-voltage EV Battery Disconnect Unit (BDU) Consumption Value by Region (2020-2031)

4.1.3 Global High-voltage EV Battery Disconnect Unit (BDU) Average Price by Region (2020-2031)

4.2 North America High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020-2031)

4.3 Europe High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020-2031)

4.4 Asia-Pacific High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020-2031)

4.5 South America High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020-2031)

4.6 Middle East & Africa High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020-2031)

## **5 MARKET SEGMENT BY TYPE**

5.1 Global High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Type (2020-2031)

5.2 Global High-voltage EV Battery Disconnect Unit (BDU) Consumption Value by Type (2020-2031)

5.3 Global High-voltage EV Battery Disconnect Unit (BDU) Average Price by Type

(2020-2031)

## **6 MARKET SEGMENT BY APPLICATION**

6.1 Global High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Application (2020-2031)

6.2 Global High-voltage EV Battery Disconnect Unit (BDU) Consumption Value by Application (2020-2031)

6.3 Global High-voltage EV Battery Disconnect Unit (BDU) Average Price by Application (2020-2031)

## **7 NORTH AMERICA**

7.1 North America High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Type (2020-2031)

7.2 North America High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Application (2020-2031)

7.3 North America High-voltage EV Battery Disconnect Unit (BDU) Market Size by Country

7.3.1 North America High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Country (2020-2031)

7.3.2 North America High-voltage EV Battery Disconnect Unit (BDU) 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 High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Type (2020-2031)

8.2 Europe High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Application (2020-2031)

8.3 Europe High-voltage EV Battery Disconnect Unit (BDU) Market Size by Country

8.3.1 Europe High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Country (2020-2031)

8.3.2 Europe High-voltage EV Battery Disconnect Unit (BDU) 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 High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Type (2020-2031)
- 9.2 Asia-Pacific High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Application (2020-2031)
- 9.3 Asia-Pacific High-voltage EV Battery Disconnect Unit (BDU) Market Size by Region
  - 9.3.1 Asia-Pacific High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Region (2020-2031)
  - 9.3.2 Asia-Pacific High-voltage EV Battery Disconnect Unit (BDU) 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 High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Type (2020-2031)
- 10.2 South America High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Application (2020-2031)
- 10.3 South America High-voltage EV Battery Disconnect Unit (BDU) Market Size by Country
  - 10.3.1 South America High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Country (2020-2031)
  - 10.3.2 South America High-voltage EV Battery Disconnect Unit (BDU) 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 High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Type (2020-2031)

11.2 Middle East & Africa High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Application (2020-2031)

11.3 Middle East & Africa High-voltage EV Battery Disconnect Unit (BDU) Market Size by Country

11.3.1 Middle East & Africa High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Country (2020-2031)

11.3.2 Middle East & Africa High-voltage EV Battery Disconnect Unit (BDU) 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 High-voltage EV Battery Disconnect Unit (BDU) Market Drivers

12.2 High-voltage EV Battery Disconnect Unit (BDU) Market Restraints

12.3 High-voltage EV Battery Disconnect Unit (BDU) 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 High-voltage EV Battery Disconnect Unit (BDU) and Key Manufacturers

13.2 Manufacturing Costs Percentage of High-voltage EV Battery Disconnect Unit (BDU)

13.3 High-voltage EV Battery Disconnect Unit (BDU) 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 High-voltage EV Battery Disconnect Unit (BDU) Typical Distributors

## 14.3 High-voltage EV Battery Disconnect Unit (BDU) 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 High-voltage EV Battery Disconnect Unit (BDU) Consumption Value by Type, (USD Million), 2020 & 2024 & 2031
- Table 2. Global High-voltage EV Battery Disconnect Unit (BDU) Consumption Value by Application, (USD Million), 2020 & 2024 & 2031
- Table 3. Panasonic Basic Information, Manufacturing Base and Competitors
- Table 4. Panasonic Major Business
- Table 5. Panasonic High-voltage EV Battery Disconnect Unit (BDU) Product and Services
- Table 6. Panasonic High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 7. Panasonic Recent Developments/Updates
- Table 8. BYD Basic Information, Manufacturing Base and Competitors
- Table 9. BYD Major Business
- Table 10. BYD High-voltage EV Battery Disconnect Unit (BDU) Product and Services
- Table 11. BYD High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 12. BYD Recent Developments/Updates
- Table 13. WuHan Jason Automotive Technology Basic Information, Manufacturing Base and Competitors
- Table 14. WuHan Jason Automotive Technology Major Business
- Table 15. WuHan Jason Automotive Technology High-voltage EV Battery Disconnect Unit (BDU) Product and Services
- Table 16. WuHan Jason Automotive Technology High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 17. WuHan Jason Automotive Technology Recent Developments/Updates
- Table 18. Eaton Basic Information, Manufacturing Base and Competitors
- Table 19. Eaton Major Business
- Table 20. Eaton High-voltage EV Battery Disconnect Unit (BDU) Product and Services
- Table 21. Eaton High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 22. Eaton Recent Developments/Updates

Table 23. Lear Corporation Basic Information, Manufacturing Base and Competitors

Table 24. Lear Corporation Major Business

Table 25. Lear Corporation High-voltage EV Battery Disconnect Unit (BDU) Product and Services

Table 26. Lear Corporation High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 27. Lear Corporation Recent Developments/Updates

Table 28. Chilye Green Technology Basic Information, Manufacturing Base and Competitors

Table 29. Chilye Green Technology Major Business

Table 30. Chilye Green Technology High-voltage EV Battery Disconnect Unit (BDU) Product and Services

Table 31. Chilye Green Technology High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 32. Chilye Green Technology Recent Developments/Updates

Table 33. Aptiv Basic Information, Manufacturing Base and Competitors

Table 34. Aptiv Major Business

Table 35. Aptiv High-voltage EV Battery Disconnect Unit (BDU) Product and Services

Table 36. Aptiv High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 37. Aptiv Recent Developments/Updates

Table 38. CATL Basic Information, Manufacturing Base and Competitors

Table 39. CATL Major Business

Table 40. CATL High-voltage EV Battery Disconnect Unit (BDU) Product and Services

Table 41. CATL High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 42. CATL Recent Developments/Updates

Table 43. Ningbo Fengmei Basic Information, Manufacturing Base and Competitors

Table 44. Ningbo Fengmei Major Business

Table 45. Ningbo Fengmei High-voltage EV Battery Disconnect Unit (BDU) Product and Services

Table 46. Ningbo Fengmei High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 47. Ningbo Fengmei Recent Developments/Updates

Table 48. Xiamen Hongfa Electroacoustic Basic Information, Manufacturing Base and Competitors

Table 49. Xiamen Hongfa Electroacoustic Major Business

Table 50. Xiamen Hongfa Electroacoustic High-voltage EV Battery Disconnect Unit (BDU) Product and Services

Table 51. Xiamen Hongfa Electroacoustic High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 52. Xiamen Hongfa Electroacoustic Recent Developments/Updates

Table 53. Global High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Manufacturer (2020-2025) & (K Units)

Table 54. Global High-voltage EV Battery Disconnect Unit (BDU) Revenue by Manufacturer (2020-2025) & (USD Million)

Table 55. Global High-voltage EV Battery Disconnect Unit (BDU) Average Price by Manufacturer (2020-2025) & (US\$/Unit)

Table 56. Market Position of Manufacturers in High-voltage EV Battery Disconnect Unit (BDU), (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024

Table 57. Head Office and High-voltage EV Battery Disconnect Unit (BDU) Production Site of Key Manufacturer

Table 58. High-voltage EV Battery Disconnect Unit (BDU) Market: Company Product Type Footprint

Table 59. High-voltage EV Battery Disconnect Unit (BDU) Market: Company Product Application Footprint

Table 60. High-voltage EV Battery Disconnect Unit (BDU) New Market Entrants and Barriers to Market Entry

Table 61. High-voltage EV Battery Disconnect Unit (BDU) Mergers, Acquisition, Agreements, and Collaborations

Table 62. Global High-voltage EV Battery Disconnect Unit (BDU) Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR

Table 63. Global High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Region (2020-2025) & (K Units)

Table 64. Global High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Region (2026-2031) & (K Units)

Table 65. Global High-voltage EV Battery Disconnect Unit (BDU) Consumption Value by Region (2020-2025) & (USD Million)

Table 66. Global High-voltage EV Battery Disconnect Unit (BDU) Consumption Value by Region (2026-2031) & (USD Million)

Table 67. Global High-voltage EV Battery Disconnect Unit (BDU) Average Price by Region (2020-2025) & (US\$/Unit)

Table 68. Global High-voltage EV Battery Disconnect Unit (BDU) Average Price by Region (2026-2031) & (US\$/Unit)

Table 69. Global High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Type (2020-2025) & (K Units)

Table 70. Global High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Type (2026-2031) & (K Units)

Table 71. Global High-voltage EV Battery Disconnect Unit (BDU) Consumption Value by Type (2020-2025) & (USD Million)

Table 72. Global High-voltage EV Battery Disconnect Unit (BDU) Consumption Value by Type (2026-2031) & (USD Million)

Table 73. Global High-voltage EV Battery Disconnect Unit (BDU) Average Price by Type (2020-2025) & (US\$/Unit)

Table 74. Global High-voltage EV Battery Disconnect Unit (BDU) Average Price by Type (2026-2031) & (US\$/Unit)

Table 75. Global High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Application (2020-2025) & (K Units)

Table 76. Global High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Application (2026-2031) & (K Units)

Table 77. Global High-voltage EV Battery Disconnect Unit (BDU) Consumption Value by Application (2020-2025) & (USD Million)

Table 78. Global High-voltage EV Battery Disconnect Unit (BDU) Consumption Value by Application (2026-2031) & (USD Million)

Table 79. Global High-voltage EV Battery Disconnect Unit (BDU) Average Price by Application (2020-2025) & (US\$/Unit)

Table 80. Global High-voltage EV Battery Disconnect Unit (BDU) Average Price by Application (2026-2031) & (US\$/Unit)

Table 81. North America High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Type (2020-2025) & (K Units)

Table 82. North America High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Type (2026-2031) & (K Units)

Table 83. North America High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Application (2020-2025) & (K Units)

Table 84. North America High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Application (2026-2031) & (K Units)

Table 85. North America High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Country (2020-2025) & (K Units)

Table 86. North America High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Country (2026-2031) & (K Units)

Table 87. North America High-voltage EV Battery Disconnect Unit (BDU) Consumption

Value by Country (2020-2025) & (USD Million)

Table 88. North America High-voltage EV Battery Disconnect Unit (BDU) Consumption

Value by Country (2026-2031) & (USD Million)

Table 89. Europe High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Type (2020-2025) & (K Units)

Table 90. Europe High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Type (2026-2031) & (K Units)

Table 91. Europe High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Application (2020-2025) & (K Units)

Table 92. Europe High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Application (2026-2031) & (K Units)

Table 93. Europe High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Country (2020-2025) & (K Units)

Table 94. Europe High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Country (2026-2031) & (K Units)

Table 95. Europe High-voltage EV Battery Disconnect Unit (BDU) Consumption Value by Country (2020-2025) & (USD Million)

Table 96. Europe High-voltage EV Battery Disconnect Unit (BDU) Consumption Value by Country (2026-2031) & (USD Million)

Table 97. Asia-Pacific High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Type (2020-2025) & (K Units)

Table 98. Asia-Pacific High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Type (2026-2031) & (K Units)

Table 99. Asia-Pacific High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Application (2020-2025) & (K Units)

Table 100. Asia-Pacific High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Application (2026-2031) & (K Units)

Table 101. Asia-Pacific High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Region (2020-2025) & (K Units)

Table 102. Asia-Pacific High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Region (2026-2031) & (K Units)

Table 103. Asia-Pacific High-voltage EV Battery Disconnect Unit (BDU) Consumption Value by Region (2020-2025) & (USD Million)

Table 104. Asia-Pacific High-voltage EV Battery Disconnect Unit (BDU) Consumption Value by Region (2026-2031) & (USD Million)

Table 105. South America High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Type (2020-2025) & (K Units)

Table 106. South America High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Type (2026-2031) & (K Units)

Table 107. South America High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Application (2020-2025) & (K Units)

Table 108. South America High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Application (2026-2031) & (K Units)

Table 109. South America High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Country (2020-2025) & (K Units)

Table 110. South America High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Country (2026-2031) & (K Units)

Table 111. South America High-voltage EV Battery Disconnect Unit (BDU) Consumption Value by Country (2020-2025) & (USD Million)

Table 112. South America High-voltage EV Battery Disconnect Unit (BDU) Consumption Value by Country (2026-2031) & (USD Million)

Table 113. Middle East & Africa High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Type (2020-2025) & (K Units)

Table 114. Middle East & Africa High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Type (2026-2031) & (K Units)

Table 115. Middle East & Africa High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Application (2020-2025) & (K Units)

Table 116. Middle East & Africa High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Application (2026-2031) & (K Units)

Table 117. Middle East & Africa High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Country (2020-2025) & (K Units)

Table 118. Middle East & Africa High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity by Country (2026-2031) & (K Units)

Table 119. Middle East & Africa High-voltage EV Battery Disconnect Unit (BDU) Consumption Value by Country (2020-2025) & (USD Million)

Table 120. Middle East & Africa High-voltage EV Battery Disconnect Unit (BDU) Consumption Value by Country (2026-2031) & (USD Million)

Table 121. High-voltage EV Battery Disconnect Unit (BDU) Raw Material

Table 122. Key Manufacturers of High-voltage EV Battery Disconnect Unit (BDU) Raw Materials

Table 123. High-voltage EV Battery Disconnect Unit (BDU) Typical Distributors

Table 124. High-voltage EV Battery Disconnect Unit (BDU) Typical Customers

## List Of Figures

### LIST OF FIGURES

- Figure 1. High-voltage EV Battery Disconnect Unit (BDU) Picture
- Figure 2. Global High-voltage EV Battery Disconnect Unit (BDU) Revenue by Type, (USD Million), 2020 & 2024 & 2031
- Figure 3. Global High-voltage EV Battery Disconnect Unit (BDU) Revenue Market Share by Type in 2024
- Figure 4. 800V Examples
- Figure 5. 1000V Examples
- Figure 6. Global High-voltage EV Battery Disconnect Unit (BDU) Consumption Value by Application, (USD Million), 2020 & 2024 & 2031
- Figure 7. Global High-voltage EV Battery Disconnect Unit (BDU) Revenue Market Share by Application in 2024
- Figure 8. BEV Examples
- Figure 9. PHEV Examples
- Figure 10. Global High-voltage EV Battery Disconnect Unit (BDU) Consumption Value, (USD Million): 2020 & 2024 & 2031
- Figure 11. Global High-voltage EV Battery Disconnect Unit (BDU) Consumption Value and Forecast (2020-2031) & (USD Million)
- Figure 12. Global High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity (2020-2031) & (K Units)
- Figure 13. Global High-voltage EV Battery Disconnect Unit (BDU) Price (2020-2031) & (US\$/Unit)
- Figure 14. Global High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity Market Share by Manufacturer in 2024
- Figure 15. Global High-voltage EV Battery Disconnect Unit (BDU) Revenue Market Share by Manufacturer in 2024
- Figure 16. Producer Shipments of High-voltage EV Battery Disconnect Unit (BDU) by Manufacturer Sales (\$MM) and Market Share (%): 2024
- Figure 17. Top 3 High-voltage EV Battery Disconnect Unit (BDU) Manufacturer (Revenue) Market Share in 2024
- Figure 18. Top 6 High-voltage EV Battery Disconnect Unit (BDU) Manufacturer (Revenue) Market Share in 2024
- Figure 19. Global High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity Market Share by Region (2020-2031)
- Figure 20. Global High-voltage EV Battery Disconnect Unit (BDU) Consumption Value Market Share by Region (2020-2031)

Figure 21. North America High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020-2031) & (USD Million)

Figure 22. Europe High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020-2031) & (USD Million)

Figure 23. Asia-Pacific High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020-2031) & (USD Million)

Figure 24. South America High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020-2031) & (USD Million)

Figure 25. Middle East & Africa High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020-2031) & (USD Million)

Figure 26. Global High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity Market Share by Type (2020-2031)

Figure 27. Global High-voltage EV Battery Disconnect Unit (BDU) Consumption Value Market Share by Type (2020-2031)

Figure 28. Global High-voltage EV Battery Disconnect Unit (BDU) Average Price by Type (2020-2031) & (US\$/Unit)

Figure 29. Global High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity Market Share by Application (2020-2031)

Figure 30. Global High-voltage EV Battery Disconnect Unit (BDU) Revenue Market Share by Application (2020-2031)

Figure 31. Global High-voltage EV Battery Disconnect Unit (BDU) Average Price by Application (2020-2031) & (US\$/Unit)

Figure 32. North America High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity Market Share by Type (2020-2031)

Figure 33. North America High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity Market Share by Application (2020-2031)

Figure 34. North America High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity Market Share by Country (2020-2031)

Figure 35. North America High-voltage EV Battery Disconnect Unit (BDU) Consumption Value Market Share by Country (2020-2031)

Figure 36. United States High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020-2031) & (USD Million)

Figure 37. Canada High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020-2031) & (USD Million)

Figure 38. Mexico High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020-2031) & (USD Million)

Figure 39. Europe High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity Market Share by Type (2020-2031)

Figure 40. Europe High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity

Market Share by Application (2020-2031)

Figure 41. Europe High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity

Market Share by Country (2020-2031)

Figure 42. Europe High-voltage EV Battery Disconnect Unit (BDU) Consumption Value

Market Share by Country (2020-2031)

Figure 43. Germany High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020-2031) & (USD Million)

Figure 44. France High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020-2031) & (USD Million)

Figure 45. United Kingdom High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020-2031) & (USD Million)

Figure 46. Russia High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020-2031) & (USD Million)

Figure 47. Italy High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020-2031) & (USD Million)

Figure 48. Asia-Pacific High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity Market Share by Type (2020-2031)

Figure 49. Asia-Pacific High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity Market Share by Application (2020-2031)

Figure 50. Asia-Pacific High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity Market Share by Region (2020-2031)

Figure 51. Asia-Pacific High-voltage EV Battery Disconnect Unit (BDU) Consumption Value Market Share by Region (2020-2031)

Figure 52. China High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020-2031) & (USD Million)

Figure 53. Japan High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020-2031) & (USD Million)

Figure 54. South Korea High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020-2031) & (USD Million)

Figure 55. India High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020-2031) & (USD Million)

Figure 56. Southeast Asia High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020-2031) & (USD Million)

Figure 57. Australia High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020-2031) & (USD Million)

Figure 58. South America High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity Market Share by Type (2020-2031)

Figure 59. South America High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity Market Share by Application (2020-2031)

- Figure 60. South America High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity Market Share by Country (2020-2031)
- Figure 61. South America High-voltage EV Battery Disconnect Unit (BDU) Consumption Value Market Share by Country (2020-2031)
- Figure 62. Brazil High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020-2031) & (USD Million)
- Figure 63. Argentina High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020-2031) & (USD Million)
- Figure 64. Middle East & Africa High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity Market Share by Type (2020-2031)
- Figure 65. Middle East & Africa High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity Market Share by Application (2020-2031)
- Figure 66. Middle East & Africa High-voltage EV Battery Disconnect Unit (BDU) Sales Quantity Market Share by Country (2020-2031)
- Figure 67. Middle East & Africa High-voltage EV Battery Disconnect Unit (BDU) Consumption Value Market Share by Country (2020-2031)
- Figure 68. Turkey High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020-2031) & (USD Million)
- Figure 69. Egypt High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020-2031) & (USD Million)
- Figure 70. Saudi Arabia High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020-2031) & (USD Million)
- Figure 71. South Africa High-voltage EV Battery Disconnect Unit (BDU) Consumption Value (2020-2031) & (USD Million)
- Figure 72. High-voltage EV Battery Disconnect Unit (BDU) Market Drivers
- Figure 73. High-voltage EV Battery Disconnect Unit (BDU) Market Restraints
- Figure 74. High-voltage EV Battery Disconnect Unit (BDU) Market Trends
- Figure 75. Porters Five Forces Analysis
- Figure 76. Manufacturing Cost Structure Analysis of High-voltage EV Battery Disconnect Unit (BDU) in 2024
- Figure 77. Manufacturing Process Analysis of High-voltage EV Battery Disconnect Unit (BDU)
- Figure 78. High-voltage EV Battery Disconnect Unit (BDU) Industrial Chain
- Figure 79. Sales Channel: Direct to End-User vs Distributors
- Figure 80. Direct Channel Pros & Cons
- Figure 81. Indirect Channel Pros & Cons
- Figure 82. Methodology
- Figure 83. Research Process and Data Source

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