

Global Isolated Bidirectional DC-DC Converter Modules Market Growth 2026-2032

<https://marketpublishers.com/r/G4482EE22865EN.html>

Date: October 2026

Pages: 141

Price: US\$ 3,660.00 (Single User License)

ID: G4482EE22865EN

Abstracts

The global Isolated Bidirectional DC-DC Converter Modules market size is predicted to grow from US\$ 404 million in 2025 to US\$ 884 million in 2032; it is expected to grow at a CAGR of 11.9% from 2026 to 2032.

Isolated bidirectional DC-DC converter modules are modular power-electronic products that provide controllable two-way power transfer between DC ports while maintaining galvanic isolation through a high-frequency transformer or equivalent isolation structure. The products typically integrate power semiconductor switches, high-frequency magnetics, gate-drive and digital-control circuits, voltage and current sensing, protection functions, communication interfaces and thermal-management components. This study covers regulated bidirectional DC-DC converter modules and fixed-ratio bidirectional bus converter modules supplied in board-mounted, brick, chassis-mounted, rack-mounted, plug-in or application-specific integrated formats. Commercial power ratings range from compact sub-5 kW modules to industrial products above 60 kW, with 5–60 kW representing an important range for energy storage, charging and industrial systems. Major applications include energy storage systems and DC microgrids, EV charging and V2X infrastructure, data centers and ICT power systems, electric mobility and transportation, industrial regenerative power and battery testing, and fuel-cell and distributed-energy systems. The market increasingly uses SiC devices, high-frequency soft-switching architectures, parallel modular operation and digital control to improve efficiency, power density and system scalability. Commercial products already reach 40–50 kW per module and peak efficiencies of approximately 98.5%–98.7% in high-end SiC platforms.

Key Findings The global average selling price was approximately US\$3,000–4,000 per unit in 2025. The industry's overall gross margin was approximately 30%–40% in

2025.Regulated bidirectional DC-DC converter modules remained the primary commercial product type.Energy storage systems and DC microgrids remained the largest application market.EV charging, V2X, and data center DC power systems are important growth areas.The 30–60 kW range represents an important high-value power segment.Standard 40 kW and 50 kW modules have been commercialized and support multi-module parallel operation.

Market Trends

The technology direction is shifting toward higher power density, higher DC-bus voltage, wider operating windows and greater use of wide-bandgap semiconductors. Commercial SiC platforms now support up to 40–50 kW per module, 1,000 V-class operation, peak efficiency above 98% and multi-module parallel operation, allowing system integrators to build hundreds-of-kilowatts or megawatt-class power-conversion architectures from repeatable modules. At the same time, the market is bifurcating between regulated modules optimized for battery charging, microgrids and industrial control, and compact fixed-ratio modules optimized for high-density intermediate-bus architectures. Thermal design is becoming more differentiated: forced-air cooling remains common in standardized storage and charging modules, while conduction cooling and liquid cooling are gaining importance in sealed, high-density and harsh-environment installations.

Market Dynamics

Demand growth is increasingly tied to the transition from simple unidirectional DC power conversion toward actively managed multi-source DC systems. Batteries, high-voltage DC buses, renewable generation, EV charging infrastructure and high-density computing loads require power interfaces capable of rapidly changing power-flow direction while maintaining electrical isolation and system protection. However, the addressable market is narrower than the broader bidirectional power-conversion market because many large-scale storage systems connect batteries directly to PCS equipment and many vehicle or industrial architectures can use non-isolated converters. The market therefore expands primarily where galvanic isolation, voltage-domain separation, modular redundancy or independent bidirectional control has a clear technical or safety value.

Drivers

Battery storage deployment is the most visible structural demand driver. The IEA

reported that 108 GW of new battery storage capacity was deployed worldwide in 2025, up 40% from 2024. Only a portion of this capacity uses independently purchased isolated bidirectional DC-DC modules, but expansion of DC-coupled storage, hybrid renewable systems, second-life batteries and modular microgrids increases the number of architectures requiring an intermediate bidirectional conversion stage. Charging infrastructure provides another demand engine: global public charging points exceeded 7 million at the end of 2025 after nearly 1.8 million additions during the year. Growth in fast charging, battery-buffered charging and V2G creates a particularly relevant opportunity for isolated bidirectional modules.

Restraints

The main restraint is architectural substitution. Galvanic isolation is not required in every DC power system, and non-isolated bidirectional converters can offer lower cost, fewer magnetic components, lower weight and potentially higher conversion efficiency. In utility-scale battery storage, direct battery-to-PCS architectures can eliminate a discrete DC-DC stage, while integrated charging equipment can incorporate DC-DC conversion inside a complete power cabinet rather than purchasing independent modules. High-frequency transformers, SiC switches, isolation monitoring, EMI control and thermal-management requirements also increase bill-of-materials costs. These factors constrain adoption in cost-sensitive projects and make the market more dependent on applications in which isolation, modularity and controllability create measurable system value.

Opportunities

High-power EV charging, V2G, battery-buffered fast charging, data-center DC power and electric marine or off-highway platforms provide some of the strongest opportunities. The IEA expects data-center electricity consumption to rise from about 415 TWh in 2024 to around 945 TWh by 2030, with AI-related accelerated computing driving higher rack power density and increasing the strategic importance of resilient DC power distribution and battery interfaces. High-power charging is also moving toward larger modular blocks: commercially available isolated bidirectional SiC modules now reach 50 kW and can be paralleled for megawatt-scale charging and storage systems. This creates room for suppliers able to combine high voltage, high efficiency, compact cooling and standardized digital control.

Challenges

The main industry challenges are qualification cycles, application-specific requirements and limited standardization. Voltage windows, isolation levels, cooling interfaces, communication protocols, mechanical packaging and protection requirements differ significantly across storage, automotive, marine, data-center and industrial customers. As a result, even manufacturers with standardized platforms frequently need customer-specific firmware, bus interfaces, cooling arrangements or mechanical modifications. Wide-bandgap devices support higher efficiency and power density but increase design complexity around switching transients, insulation coordination, EMI and thermal stress. Price competition is also likely to intensify as Chinese module manufacturers expand standardized 20–50 kW platforms, while European, Japanese and North American suppliers continue to differentiate through certification, compact packaging, reliability and specialized applications.

Industry Chain Analysis

The upstream industry consists primarily of Si MOSFETs, IGBTs, SiC MOSFETs and emerging GaN power devices; high-frequency transformer cores and windings; inductors; film and electrolytic capacitors; gate drivers; digital controllers; isolation devices; sensors; connectors; cooling components; PCB materials and mechanical housings. The midstream consists of module manufacturers responsible for topology design, magnetic integration, control software, thermal management, EMC design, functional protection, testing and final assembly. Downstream customers include energy-storage and microgrid equipment manufacturers, EV charging infrastructure suppliers, data-center power-system vendors, transportation OEMs, battery-testing equipment suppliers and distributed-energy integrators. Because converters interact directly with batteries and DC buses, module suppliers typically participate more deeply in system validation than conventional passive-component vendors.

Value Chain Analysis

Value creation is concentrated in power-topology design, high-frequency magnetic engineering, control algorithms, thermal architecture, safety isolation, reliability validation and application certification rather than in final mechanical assembly alone. Standardized high-volume modules benefit from procurement scale and automated manufacturing, but application-specific modules can retain stronger pricing where customers require wide voltage ranges, automotive or marine qualification, reinforced isolation, sealed cooling or highly dynamic bidirectional control. SiC adoption shifts a larger portion of value toward semiconductor selection, gate-drive optimization, high-frequency magnetics and thermal design. Suppliers that can offer modular parallel

operation, firmware configuration and system-level validation can capture more value than companies competing only on nominal wattage or hardware cost.

Segment Insights

By conversion function, regulated bidirectional DC-DC converter modules remain the largest product category because they address the broadest range of battery, charging and industrial applications; fixed-ratio bidirectional bus converter modules are more concentrated in high-density intermediate-bus and transportation architectures. By rated power, products up to 5 kW serve board-level, auxiliary and compact battery interfaces, while the 5–15 kW range covers rack power, testing and medium-power storage. The 15–30 kW and particularly 30–60 kW ranges are strategically important for storage, V2X and fast-charging systems because they combine manageable module size with scalable parallel operation. By application, energy storage systems and DC microgrids provide the largest established demand pool, while EV charging and V2X infrastructure and data-center and ICT power systems offer strong incremental potential.

Downstream Market Opportunities

Energy storage remains the broadest opportunity because increasing battery deployment is expanding the need for DC voltage matching, bidirectional charging, second-life battery interfaces and multi-battery architectures. Charging infrastructure represents a more selective but higher-growth opportunity, particularly where batteries are used to buffer grid demand or where V2G requires reversible power flow. Data centers offer a different opportunity: fixed-ratio isolated bus conversion and battery-backed DC architectures can benefit from compact, high-efficiency modules as rack density increases. Transportation applications are smaller in unit volume but can carry higher engineering value because electric commercial vehicles, mining equipment, marine propulsion and specialty platforms require robust isolation, high voltage, environmental resistance and long qualification cycles.

Regional Insights

Asia Pacific represents the largest demand region, with China playing the leading role in battery storage, public charging infrastructure and standardized high-power module manufacturing. China accounted for more than 65% of the global stock of public charging points at the end of 2025, providing a large installed base for future battery-buffered charging and V2G architectures. Europe has the broadest concentration of specialized manufacturers in the confirmed supply pool and is particularly strong in

automotive, marine, industrial and high-power customized converters. North America is characterized by high-value board-level power modules, customized transportation platforms and rapidly expanding data-center demand. Japan maintains a smaller but mature supply base centered on highly reliable standardized power-conversion products, while confirmed commercial manufacturing remains relatively limited in South Korea, Taiwan, Southeast Asia and other regions under the narrow product definition.

Competitive Landscape Analysis

The competitive landscape is moderately fragmented but technically concentrated. Europe has the largest number of specialized manufacturers, with competition centered on SiC technology, high voltage, compact packaging, conduction or liquid cooling and application-specific engineering. China has developed a stronger standardized-module supply base in the 20–40 kW range, particularly for energy storage, DC microgrids and charging systems, supported by parallel operation and cost-oriented platform design. North American suppliers are more differentiated in compact board-level conversion and customized industrial or transportation applications, while Japanese suppliers emphasize reliability, rack-based standardized products and long product lifecycles. Competitive advantage increasingly depends on the combination of efficiency, power density, voltage range, isolation performance, thermal design, certification, firmware and the ability to scale multiple modules reliably rather than nominal power rating alone.

Report Scope

LP Information, Inc. (LPI) ' newest research report, the “Isolated Bidirectional DC-DC Converter Modules Industry Forecast” looks at past sales and reviews total world Isolated Bidirectional DC-DC Converter Modules sales in 2025, providing a comprehensive analysis by region and market sector of projected Isolated Bidirectional DC-DC Converter Modules sales for 2026 through 2032. With Isolated Bidirectional DC-DC Converter Modules sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Isolated Bidirectional DC-DC Converter Modules industry.

This Insight Report provides a comprehensive analysis of the global Isolated Bidirectional DC-DC Converter Modules 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 Isolated Bidirectional DC-DC Converter Modules portfolios and capabilities, market entry strategies, market positions, and geographic

footprints, to better understand these firms' unique position in an accelerating global Isolated Bidirectional DC-DC Converter Modules market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Isolated Bidirectional DC-DC Converter Modules and breaks down the forecast by Rated Power Output, 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 Isolated Bidirectional DC-DC Converter Modules.

This report presents a comprehensive overview, market shares, and growth opportunities of Isolated Bidirectional DC-DC Converter Modules market by product type, application, key manufacturers and key regions and countries.

Market Segmentation

Segmentation by Rated Power Output:

Up to 5 kW (<5 kW)

Above 5 kW to 15 kW (>5–15 kW)

Above 15 kW to 30 kW (>15–30 kW)

Above 30 kW to 60 kW (>30–60 kW)

Above 60 kW (>60 kW)

Segmentation by Product Form Factor:

Board-Mounted and Brick Modules

Chassis-Mount and Panel-Mount Modules

Rack-Mount and Plug-in Modules

Others

Segmentation by Cooling Method:

Natural Convection Cooling

Forced-Air Cooling

Liquid Cooling

Baseplate and Conduction Cooling

Others

Segmentation by Application:

Energy Storage Systems and DC Microgrids

EV Charging and V2X Infrastructure

Data Centers and ICT Power Systems

Electric Mobility and Transportation

Industrial Regenerative Power and Battery Testing

Fuel Cell and Distributed Energy Systems

Others

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.

TDK Corporation

Origin Co., Ltd.

Vicor Corporation

ABB Ltd

BRUSA HyPower AG

Calex Manufacturing Company, Inc.

Current Ways, Inc.

Epic Power Converters S.L.

ADVANTICS

Zekalabs

Converdan A/S

Breeze Energies Sp. z o.o.

TPS Elektronik GmbH

Shenzhen Winline Technology Co., Ltd.

Infypower

Powerland Technology Inc.

ImaxPWR

Key Questions Addressed in this Report

What is the 10-year outlook for the global Isolated Bidirectional DC-DC Converter Modules market?

What factors are driving Isolated Bidirectional DC-DC Converter Modules market growth, globally and by region?

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

How do Isolated Bidirectional DC-DC Converter Modules market opportunities vary by end market size?

How does Isolated Bidirectional DC-DC Converter Modules break out by Rated Power Output, 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 Isolated Bidirectional DC-DC Converter Modules Annual Sales 2021-2032
- 2.1.2 World Current & Future Analysis for Isolated Bidirectional DC-DC Converter Modules by Geographic Region, 2021, 2025 & 2032

- 2.1.3 World Current & Future Analysis for Isolated Bidirectional DC-DC Converter Modules by Country/Region, 2021, 2025 & 2032

2.2 Isolated Bidirectional DC-DC Converter Modules Segment by Rated Power Output

- 2.2.1 Up to 5 kW (<5 kW)
- 2.2.2 Above 5 kW to 15 kW (>5–15 kW)
- 2.2.3 Above 15 kW to 30 kW (>15–30 kW)
- 2.2.4 Above 30 kW to 60 kW (>30–60 kW)
- 2.2.5 Above 60 kW (>60 kW)
- 2.2.6 Isolated Bidirectional DC-DC Converter Modules Sales by Rated Power Output
 - 2.2.6.1 Global Isolated Bidirectional DC-DC Converter Modules Sales Market Share by Rated Power Output (2021-2026)
 - 2.2.6.2 Global Isolated Bidirectional DC-DC Converter Modules Revenue and Market Share by Rated Power Output (2021-2026)
 - 2.2.6.3 Global Isolated Bidirectional DC-DC Converter Modules Sale Price by Rated Power Output (2021-2026)

2.3 Isolated Bidirectional DC-DC Converter Modules Segment by Product Form Factor

- 2.3.1 Board-Mounted and Brick Modules
- 2.3.2 Chassis-Mount and Panel-Mount Modules
- 2.3.3 Rack-Mount and Plug-in Modules
- 2.3.4 Others

- 2.3.5 Isolated Bidirectional DC-DC Converter Modules Sales by Product Form Factor
 - 2.3.5.1 Global Isolated Bidirectional DC-DC Converter Modules Sales Market Share by Product Form Factor (2021-2026)
 - 2.3.5.2 Global Isolated Bidirectional DC-DC Converter Modules Revenue and Market Share by Product Form Factor (2021-2026)
 - 2.3.5.3 Global Isolated Bidirectional DC-DC Converter Modules Sale Price by Product Form Factor (2021-2026)
- 2.4 Isolated Bidirectional DC-DC Converter Modules Segment by Cooling Method
 - 2.4.1 Natural Convection Cooling
 - 2.4.2 Forced-Air Cooling
 - 2.4.3 Liquid Cooling
 - 2.4.4 Baseplate and Conduction Cooling
 - 2.4.5 Others
 - 2.4.6 Isolated Bidirectional DC-DC Converter Modules Sales by Cooling Method
 - 2.4.6.1 Global Isolated Bidirectional DC-DC Converter Modules Sales Market Share by Cooling Method (2021-2026)
 - 2.4.6.2 Global Isolated Bidirectional DC-DC Converter Modules Revenue and Market Share by Cooling Method (2021-2026)
 - 2.4.6.3 Global Isolated Bidirectional DC-DC Converter Modules Sale Price by Cooling Method (2021-2026)
- 2.5 Isolated Bidirectional DC-DC Converter Modules Segment by Application
 - 2.5.1 Energy Storage Systems and DC Microgrids
 - 2.5.2 EV Charging and V2X Infrastructure
 - 2.5.3 Data Centers and ICT Power Systems
 - 2.5.4 Electric Mobility and Transportation
 - 2.5.5 Industrial Regenerative Power and Battery Testing
 - 2.5.6 Fuel Cell and Distributed Energy Systems
 - 2.5.7 Others
 - 2.5.8 Isolated Bidirectional DC-DC Converter Modules Sales by Application
 - 2.5.8.1 Global Isolated Bidirectional DC-DC Converter Modules Sale Market Share by Application (2021-2026)
 - 2.5.8.2 Global Isolated Bidirectional DC-DC Converter Modules Revenue and Market Share by Application (2021-2026)
 - 2.5.8.3 Global Isolated Bidirectional DC-DC Converter Modules Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global Isolated Bidirectional DC-DC Converter Modules Breakdown Data by

Company

3.1.1 Global Isolated Bidirectional DC-DC Converter Modules Annual Sales by Company (2021-2026)

3.1.2 Global Isolated Bidirectional DC-DC Converter Modules Sales Market Share by Company (2021-2026)

3.2 Global Isolated Bidirectional DC-DC Converter Modules Annual Revenue by Company (2021-2026)

3.2.1 Global Isolated Bidirectional DC-DC Converter Modules Revenue by Company (2021-2026)

3.2.2 Global Isolated Bidirectional DC-DC Converter Modules Revenue Market Share by Company (2021-2026)

3.3 Global Isolated Bidirectional DC-DC Converter Modules Sale Price by Company

3.4 Key Manufacturers Isolated Bidirectional DC-DC Converter Modules Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Isolated Bidirectional DC-DC Converter Modules Product Location Distribution

3.4.2 Players Isolated Bidirectional DC-DC Converter Modules 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 ISOLATED BIDIRECTIONAL DC-DC CONVERTER MODULES BY GEOGRAPHIC REGION

4.1 World Historic Isolated Bidirectional DC-DC Converter Modules Market Size by Geographic Region (2021-2026)

4.1.1 Global Isolated Bidirectional DC-DC Converter Modules Annual Sales by Geographic Region (2021-2026)

4.1.2 Global Isolated Bidirectional DC-DC Converter Modules Annual Revenue by Geographic Region (2021-2026)

4.2 World Historic Isolated Bidirectional DC-DC Converter Modules Market Size by Country/Region (2021-2026)

4.2.1 Global Isolated Bidirectional DC-DC Converter Modules Annual Sales by Country/Region (2021-2026)

4.2.2 Global Isolated Bidirectional DC-DC Converter Modules Annual Revenue by Country/Region (2021-2026)

4.3 Americas Isolated Bidirectional DC-DC Converter Modules Sales Growth

4.4 APAC Isolated Bidirectional DC-DC Converter Modules Sales Growth

4.5 Europe Isolated Bidirectional DC-DC Converter Modules Sales Growth

4.6 Middle East & Africa Isolated Bidirectional DC-DC Converter Modules Sales Growth

5 AMERICAS

5.1 Americas Isolated Bidirectional DC-DC Converter Modules Sales by Country

5.1.1 Americas Isolated Bidirectional DC-DC Converter Modules Sales by Country
(2021-2026)

5.1.2 Americas Isolated Bidirectional DC-DC Converter Modules Revenue by Country
(2021-2026)

5.2 Americas Isolated Bidirectional DC-DC Converter Modules Sales by Rated Power
Output (2021-2026)

5.3 Americas Isolated Bidirectional DC-DC Converter Modules Sales by Application
(2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Isolated Bidirectional DC-DC Converter Modules Sales by Region

6.1.1 APAC Isolated Bidirectional DC-DC Converter Modules Sales by Region
(2021-2026)

6.1.2 APAC Isolated Bidirectional DC-DC Converter Modules Revenue by Region
(2021-2026)

6.2 APAC Isolated Bidirectional DC-DC Converter Modules Sales by Rated Power
Output (2021-2026)

6.3 APAC Isolated Bidirectional DC-DC Converter Modules 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 Isolated Bidirectional DC-DC Converter Modules by Country

7.1.1 Europe Isolated Bidirectional DC-DC Converter Modules Sales by Country (2021-2026)

7.1.2 Europe Isolated Bidirectional DC-DC Converter Modules Revenue by Country (2021-2026)

7.2 Europe Isolated Bidirectional DC-DC Converter Modules Sales by Rated Power Output (2021-2026)

7.3 Europe Isolated Bidirectional DC-DC Converter Modules 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 Isolated Bidirectional DC-DC Converter Modules by Country

8.1.1 Middle East & Africa Isolated Bidirectional DC-DC Converter Modules Sales by Country (2021-2026)

8.1.2 Middle East & Africa Isolated Bidirectional DC-DC Converter Modules Revenue by Country (2021-2026)

8.2 Middle East & Africa Isolated Bidirectional DC-DC Converter Modules Sales by Rated Power Output (2021-2026)

8.3 Middle East & Africa Isolated Bidirectional DC-DC Converter Modules 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 Isolated Bidirectional DC-DC Converter Modules

10.3 Manufacturing Process Analysis of Isolated Bidirectional DC-DC Converter Modules

10.4 Industry Chain Structure of Isolated Bidirectional DC-DC Converter Modules

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Isolated Bidirectional DC-DC Converter Modules Distributors

11.3 Isolated Bidirectional DC-DC Converter Modules Customer

12 WORLD FORECAST REVIEW FOR ISOLATED BIDIRECTIONAL DC-DC CONVERTER MODULES BY GEOGRAPHIC REGION

12.1 Global Isolated Bidirectional DC-DC Converter Modules Market Size Forecast by Region

12.1.1 Global Isolated Bidirectional DC-DC Converter Modules Forecast by Region (2027-2032)

12.1.2 Global Isolated Bidirectional DC-DC Converter Modules 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 Isolated Bidirectional DC-DC Converter Modules Forecast by Rated Power Output (2027-2032)

12.7 Global Isolated Bidirectional DC-DC Converter Modules Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

13.1 TDK Corporation

- 13.1.1 TDK Corporation Company Information
- 13.1.2 TDK Corporation Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications
- 13.1.3 TDK Corporation Isolated Bidirectional DC-DC Converter Modules Sales, Revenue, Price and Gross Margin (2021-2026)
- 13.1.4 TDK Corporation Main Business Overview
- 13.1.5 TDK Corporation Latest Developments
- 13.2 Origin Co., Ltd.
- 13.2.1 Origin Co., Ltd. Company Information
- 13.2.2 Origin Co., Ltd. Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications
- 13.2.3 Origin Co., Ltd. Isolated Bidirectional DC-DC Converter Modules Sales, Revenue, Price and Gross Margin (2021-2026)
- 13.2.4 Origin Co., Ltd. Main Business Overview
- 13.2.5 Origin Co., Ltd. Latest Developments
- 13.3 Vicor Corporation
- 13.3.1 Vicor Corporation Company Information
- 13.3.2 Vicor Corporation Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications
- 13.3.3 Vicor Corporation Isolated Bidirectional DC-DC Converter Modules Sales, Revenue, Price and Gross Margin (2021-2026)
- 13.3.4 Vicor Corporation Main Business Overview
- 13.3.5 Vicor Corporation Latest Developments
- 13.4 ABB Ltd
- 13.4.1 ABB Ltd Company Information
- 13.4.2 ABB Ltd Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications
- 13.4.3 ABB Ltd Isolated Bidirectional DC-DC Converter Modules Sales, Revenue, Price and Gross Margin (2021-2026)
- 13.4.4 ABB Ltd Main Business Overview
- 13.4.5 ABB Ltd Latest Developments
- 13.5 BRUSA HyPower AG
- 13.5.1 BRUSA HyPower AG Company Information
- 13.5.2 BRUSA HyPower AG Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications
- 13.5.3 BRUSA HyPower AG Isolated Bidirectional DC-DC Converter Modules Sales, Revenue, Price and Gross Margin (2021-2026)
- 13.5.4 BRUSA HyPower AG Main Business Overview
- 13.5.5 BRUSA HyPower AG Latest Developments

13.6 Calnex Manufacturing Company, Inc.

13.6.1 Calnex Manufacturing Company, Inc. Company Information

13.6.2 Calnex Manufacturing Company, Inc. Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications

13.6.3 Calnex Manufacturing Company, Inc. Isolated Bidirectional DC-DC Converter Modules Sales, Revenue, Price and Gross Margin (2021-2026)

13.6.4 Calnex Manufacturing Company, Inc. Main Business Overview

13.6.5 Calnex Manufacturing Company, Inc. Latest Developments

13.7 Current Ways, Inc.

13.7.1 Current Ways, Inc. Company Information

13.7.2 Current Ways, Inc. Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications

13.7.3 Current Ways, Inc. Isolated Bidirectional DC-DC Converter Modules Sales, Revenue, Price and Gross Margin (2021-2026)

13.7.4 Current Ways, Inc. Main Business Overview

13.7.5 Current Ways, Inc. Latest Developments

13.8 Epic Power Converters S.L.

13.8.1 Epic Power Converters S.L. Company Information

13.8.2 Epic Power Converters S.L. Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications

13.8.3 Epic Power Converters S.L. Isolated Bidirectional DC-DC Converter Modules Sales, Revenue, Price and Gross Margin (2021-2026)

13.8.4 Epic Power Converters S.L. Main Business Overview

13.8.5 Epic Power Converters S.L. Latest Developments

13.9 ADVANTICS

13.9.1 ADVANTICS Company Information

13.9.2 ADVANTICS Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications

13.9.3 ADVANTICS Isolated Bidirectional DC-DC Converter Modules Sales, Revenue, Price and Gross Margin (2021-2026)

13.9.4 ADVANTICS Main Business Overview

13.9.5 ADVANTICS Latest Developments

13.10 Zekalabs

13.10.1 Zekalabs Company Information

13.10.2 Zekalabs Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications

13.10.3 Zekalabs Isolated Bidirectional DC-DC Converter Modules Sales, Revenue, Price and Gross Margin (2021-2026)

13.10.4 Zekalabs Main Business Overview

- 13.10.5 Zekalabs Latest Developments
- 13.11 Converdan A/S
 - 13.11.1 Converdan A/S Company Information
 - 13.11.2 Converdan A/S Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications
 - 13.11.3 Converdan A/S Isolated Bidirectional DC-DC Converter Modules Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.11.4 Converdan A/S Main Business Overview
 - 13.11.5 Converdan A/S Latest Developments
- 13.12 Breeze Energies Sp. z o.o.
 - 13.12.1 Breeze Energies Sp. z o.o. Company Information
 - 13.12.2 Breeze Energies Sp. z o.o. Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications
 - 13.12.3 Breeze Energies Sp. z o.o. Isolated Bidirectional DC-DC Converter Modules Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.12.4 Breeze Energies Sp. z o.o. Main Business Overview
 - 13.12.5 Breeze Energies Sp. z o.o. Latest Developments
- 13.13 TPS Elektronik GmbH
 - 13.13.1 TPS Elektronik GmbH Company Information
 - 13.13.2 TPS Elektronik GmbH Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications
 - 13.13.3 TPS Elektronik GmbH Isolated Bidirectional DC-DC Converter Modules Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.13.4 TPS Elektronik GmbH Main Business Overview
 - 13.13.5 TPS Elektronik GmbH Latest Developments
- 13.14 Shenzhen Winline Technology Co., Ltd.
 - 13.14.1 Shenzhen Winline Technology Co., Ltd. Company Information
 - 13.14.2 Shenzhen Winline Technology Co., Ltd. Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications
 - 13.14.3 Shenzhen Winline Technology Co., Ltd. Isolated Bidirectional DC-DC Converter Modules Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.14.4 Shenzhen Winline Technology Co., Ltd. Main Business Overview
 - 13.14.5 Shenzhen Winline Technology Co., Ltd. Latest Developments
- 13.15 Infypower
 - 13.15.1 Infypower Company Information
 - 13.15.2 Infypower Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications
 - 13.15.3 Infypower Isolated Bidirectional DC-DC Converter Modules Sales, Revenue, Price and Gross Margin (2021-2026)

13.15.4 Infypower Main Business Overview

13.15.5 Infypower Latest Developments

13.16 Powerland Technology Inc.

13.16.1 Powerland Technology Inc. Company Information

13.16.2 Powerland Technology Inc. Isolated Bidirectional DC-DC Converter Modules
Product Portfolios and Specifications

13.16.3 Powerland Technology Inc. Isolated Bidirectional DC-DC Converter Modules
Sales, Revenue, Price and Gross Margin (2021-2026)

13.16.4 Powerland Technology Inc. Main Business Overview

13.16.5 Powerland Technology Inc. Latest Developments

13.17 ImaxPWR

13.17.1 ImaxPWR Company Information

13.17.2 ImaxPWR Isolated Bidirectional DC-DC Converter Modules Product Portfolios
and Specifications

13.17.3 ImaxPWR Isolated Bidirectional DC-DC Converter Modules Sales, Revenue,
Price and Gross Margin (2021-2026)

13.17.4 ImaxPWR Main Business Overview

13.17.5 ImaxPWR Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Isolated Bidirectional DC-DC Converter Modules Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Isolated Bidirectional DC-DC Converter Modules Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Up to 5 kW (<5 kW)

Table 4. Major Players of Above 5 kW to 15 kW (>5–15 kW)

Table 5. Major Players of Above 15 kW to 30 kW (>15–30 kW)

Table 6. Major Players of Above 30 kW to 60 kW (>30–60 kW)

Table 7. Major Players of Above 60 kW (>60 kW)

Table 8. Global Isolated Bidirectional DC-DC Converter Modules Sales by Rated Power Output (2021-2026) & (K Units)

Table 9. Global Isolated Bidirectional DC-DC Converter Modules Sales Market Share by Rated Power Output (2021-2026)

Table 10. Global Isolated Bidirectional DC-DC Converter Modules Revenue by Rated Power Output (2021-2026) & (\$ million)

Table 11. Global Isolated Bidirectional DC-DC Converter Modules Revenue Market Share by Rated Power Output (2021-2026)

Table 12. Global Isolated Bidirectional DC-DC Converter Modules Sale Price by Rated Power Output (2021-2026) & (US\$/Unit)

Table 13. Major Players of Board-Mounted and Brick Modules

Table 14. Major Players of Chassis-Mount and Panel-Mount Modules

Table 15. Major Players of Rack-Mount and Plug-in Modules

Table 16. Major Players of Others

Table 17. Global Isolated Bidirectional DC-DC Converter Modules Sales by Product Form Factor (2021-2026) & (K Units)

Table 18. Global Isolated Bidirectional DC-DC Converter Modules Sales Market Share by Product Form Factor (2021-2026)

Table 19. Global Isolated Bidirectional DC-DC Converter Modules Revenue by Product Form Factor (2021-2026) & (\$ million)

Table 20. Global Isolated Bidirectional DC-DC Converter Modules Revenue Market Share by Product Form Factor (2021-2026)

Table 21. Global Isolated Bidirectional DC-DC Converter Modules Sale Price by Product Form Factor (2021-2026) & (US\$/Unit)

Table 22. Major Players of Natural Convection Cooling

Table 23. Major Players of Forced-Air Cooling

Table 24. Major Players of Liquid Cooling
Table 25. Major Players of Baseplate and Conduction Cooling
Table 26. Major Players of Others
Table 27. Global Isolated Bidirectional DC-DC Converter Modules Sales by Cooling Method (2021-2026) & (K Units)
Table 28. Global Isolated Bidirectional DC-DC Converter Modules Sales Market Share by Cooling Method (2021-2026)
Table 29. Global Isolated Bidirectional DC-DC Converter Modules Revenue by Cooling Method (2021-2026) & (\$ million)
Table 30. Global Isolated Bidirectional DC-DC Converter Modules Revenue Market Share by Cooling Method (2021-2026)
Table 31. Global Isolated Bidirectional DC-DC Converter Modules Sale Price by Cooling Method (2021-2026) & (US\$/Unit)
Table 32. Global Isolated Bidirectional DC-DC Converter Modules Sale by Application (2021-2026) & (K Units)
Table 33. Global Isolated Bidirectional DC-DC Converter Modules Sale Market Share by Application (2021-2026)
Table 34. Global Isolated Bidirectional DC-DC Converter Modules Revenue by Application (2021-2026) & (\$ million)
Table 35. Global Isolated Bidirectional DC-DC Converter Modules Revenue Market Share by Application (2021-2026)
Table 36. Global Isolated Bidirectional DC-DC Converter Modules Sale Price by Application (2021-2026) & (US\$/Unit)
Table 37. Global Isolated Bidirectional DC-DC Converter Modules Sales by Company (2021-2026) & (K Units)
Table 38. Global Isolated Bidirectional DC-DC Converter Modules Sales Market Share by Company (2021-2026)
Table 39. Global Isolated Bidirectional DC-DC Converter Modules Revenue by Company (2021-2026) & (\$ millions)
Table 40. Global Isolated Bidirectional DC-DC Converter Modules Revenue Market Share by Company (2021-2026)
Table 41. Global Isolated Bidirectional DC-DC Converter Modules Sale Price by Company (2021-2026) & (US\$/Unit)
Table 42. Key Manufacturers Isolated Bidirectional DC-DC Converter Modules Producing Area Distribution and Sales Area
Table 43. Players Isolated Bidirectional DC-DC Converter Modules Products Offered
Table 44. Isolated Bidirectional DC-DC Converter Modules Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)
Table 45. New Products and Potential Entrants

Table 46. Market M&A Activity & Strategy

Table 47. Global Isolated Bidirectional DC-DC Converter Modules Sales by Geographic Region (2021-2026) & (K Units)

Table 48. Global Isolated Bidirectional DC-DC Converter Modules Sales Market Share Geographic Region (2021-2026)

Table 49. Global Isolated Bidirectional DC-DC Converter Modules Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 50. Global Isolated Bidirectional DC-DC Converter Modules Revenue Market Share by Geographic Region (2021-2026)

Table 51. Global Isolated Bidirectional DC-DC Converter Modules Sales by Country/Region (2021-2026) & (K Units)

Table 52. Global Isolated Bidirectional DC-DC Converter Modules Sales Market Share by Country/Region (2021-2026)

Table 53. Global Isolated Bidirectional DC-DC Converter Modules Revenue by Country/Region (2021-2026) & (\$ millions)

Table 54. Global Isolated Bidirectional DC-DC Converter Modules Revenue Market Share by Country/Region (2021-2026)

Table 55. Americas Isolated Bidirectional DC-DC Converter Modules Sales by Country (2021-2026) & (K Units)

Table 56. Americas Isolated Bidirectional DC-DC Converter Modules Sales Market Share by Country (2021-2026)

Table 57. Americas Isolated Bidirectional DC-DC Converter Modules Revenue by Country (2021-2026) & (\$ millions)

Table 58. Americas Isolated Bidirectional DC-DC Converter Modules Sales by Rated Power Output (2021-2026) & (K Units)

Table 59. Americas Isolated Bidirectional DC-DC Converter Modules Sales by Application (2021-2026) & (K Units)

Table 60. APAC Isolated Bidirectional DC-DC Converter Modules Sales by Region (2021-2026) & (K Units)

Table 61. APAC Isolated Bidirectional DC-DC Converter Modules Sales Market Share by Region (2021-2026)

Table 62. APAC Isolated Bidirectional DC-DC Converter Modules Revenue by Region (2021-2026) & (\$ millions)

Table 63. APAC Isolated Bidirectional DC-DC Converter Modules Sales by Rated Power Output (2021-2026) & (K Units)

Table 64. APAC Isolated Bidirectional DC-DC Converter Modules Sales by Application (2021-2026) & (K Units)

Table 65. Europe Isolated Bidirectional DC-DC Converter Modules Sales by Country (2021-2026) & (K Units)

Table 66. Europe Isolated Bidirectional DC-DC Converter Modules Revenue by Country (2021-2026) & (\$ millions)

Table 67. Europe Isolated Bidirectional DC-DC Converter Modules Sales by Rated Power Output (2021-2026) & (K Units)

Table 68. Europe Isolated Bidirectional DC-DC Converter Modules Sales by Application (2021-2026) & (K Units)

Table 69. Middle East & Africa Isolated Bidirectional DC-DC Converter Modules Sales by Country (2021-2026) & (K Units)

Table 70. Middle East & Africa Isolated Bidirectional DC-DC Converter Modules Revenue Market Share by Country (2021-2026)

Table 71. Middle East & Africa Isolated Bidirectional DC-DC Converter Modules Sales by Rated Power Output (2021-2026) & (K Units)

Table 72. Middle East & Africa Isolated Bidirectional DC-DC Converter Modules Sales by Application (2021-2026) & (K Units)

Table 73. Key Market Drivers & Growth Opportunities of Isolated Bidirectional DC-DC Converter Modules

Table 74. Key Market Challenges & Risks of Isolated Bidirectional DC-DC Converter Modules

Table 75. Key Industry Trends of Isolated Bidirectional DC-DC Converter Modules

Table 76. Isolated Bidirectional DC-DC Converter Modules Raw Material

Table 77. Key Suppliers of Raw Materials

Table 78. Isolated Bidirectional DC-DC Converter Modules Distributors List

Table 79. Isolated Bidirectional DC-DC Converter Modules Customer List

Table 80. Global Isolated Bidirectional DC-DC Converter Modules Sales Forecast by Region (2027-2032) & (K Units)

Table 81. Global Isolated Bidirectional DC-DC Converter Modules Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 82. Americas Isolated Bidirectional DC-DC Converter Modules Sales Forecast by Country (2027-2032) & (K Units)

Table 83. Americas Isolated Bidirectional DC-DC Converter Modules Annual Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 84. APAC Isolated Bidirectional DC-DC Converter Modules Sales Forecast by Region (2027-2032) & (K Units)

Table 85. APAC Isolated Bidirectional DC-DC Converter Modules Annual Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 86. Europe Isolated Bidirectional DC-DC Converter Modules Sales Forecast by Country (2027-2032) & (K Units)

Table 87. Europe Isolated Bidirectional DC-DC Converter Modules Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 88. Middle East & Africa Isolated Bidirectional DC-DC Converter Modules Sales Forecast by Country (2027-2032) & (K Units)

Table 89. Middle East & Africa Isolated Bidirectional DC-DC Converter Modules Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 90. Global Isolated Bidirectional DC-DC Converter Modules Sales Forecast by Rated Power Output (2027-2032) & (K Units)

Table 91. Global Isolated Bidirectional DC-DC Converter Modules Revenue Forecast by Rated Power Output (2027-2032) & (\$ millions)

Table 92. Global Isolated Bidirectional DC-DC Converter Modules Sales Forecast by Application (2027-2032) & (K Units)

Table 93. Global Isolated Bidirectional DC-DC Converter Modules Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 94. TDK Corporation Basic Information, Isolated Bidirectional DC-DC Converter Modules Manufacturing Base, Sales Area and Its Competitors

Table 95. TDK Corporation Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications

Table 96. TDK Corporation Isolated Bidirectional DC-DC Converter Modules Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 97. TDK Corporation Main Business

Table 98. TDK Corporation Latest Developments

Table 99. Origin Co., Ltd. Basic Information, Isolated Bidirectional DC-DC Converter Modules Manufacturing Base, Sales Area and Its Competitors

Table 100. Origin Co., Ltd. Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications

Table 101. Origin Co., Ltd. Isolated Bidirectional DC-DC Converter Modules Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 102. Origin Co., Ltd. Main Business

Table 103. Origin Co., Ltd. Latest Developments

Table 104. Vicor Corporation Basic Information, Isolated Bidirectional DC-DC Converter Modules Manufacturing Base, Sales Area and Its Competitors

Table 105. Vicor Corporation Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications

Table 106. Vicor Corporation Isolated Bidirectional DC-DC Converter Modules Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 107. Vicor Corporation Main Business

Table 108. Vicor Corporation Latest Developments

Table 109. ABB Ltd Basic Information, Isolated Bidirectional DC-DC Converter Modules Manufacturing Base, Sales Area and Its Competitors

Table 110. ABB Ltd Isolated Bidirectional DC-DC Converter Modules Product Portfolios

and Specifications

Table 111. ABB Ltd Isolated Bidirectional DC-DC Converter Modules Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 112. ABB Ltd Main Business

Table 113. ABB Ltd Latest Developments

Table 114. BRUSA HyPower AG Basic Information, Isolated Bidirectional DC-DC Converter Modules Manufacturing Base, Sales Area and Its Competitors

Table 115. BRUSA HyPower AG Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications

Table 116. BRUSA HyPower AG Isolated Bidirectional DC-DC Converter Modules Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 117. BRUSA HyPower AG Main Business

Table 118. BRUSA HyPower AG Latest Developments

Table 119. Calex Manufacturing Company, Inc. Basic Information, Isolated Bidirectional DC-DC Converter Modules Manufacturing Base, Sales Area and Its Competitors

Table 120. Calex Manufacturing Company, Inc. Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications

Table 121. Calex Manufacturing Company, Inc. Isolated Bidirectional DC-DC Converter Modules Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 122. Calex Manufacturing Company, Inc. Main Business

Table 123. Calex Manufacturing Company, Inc. Latest Developments

Table 124. Current Ways, Inc. Basic Information, Isolated Bidirectional DC-DC Converter Modules Manufacturing Base, Sales Area and Its Competitors

Table 125. Current Ways, Inc. Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications

Table 126. Current Ways, Inc. Isolated Bidirectional DC-DC Converter Modules Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 127. Current Ways, Inc. Main Business

Table 128. Current Ways, Inc. Latest Developments

Table 129. Epic Power Converters S.L. Basic Information, Isolated Bidirectional DC-DC Converter Modules Manufacturing Base, Sales Area and Its Competitors

Table 130. Epic Power Converters S.L. Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications

Table 131. Epic Power Converters S.L. Isolated Bidirectional DC-DC Converter Modules Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 132. Epic Power Converters S.L. Main Business

Table 133. Epic Power Converters S.L. Latest Developments

Table 134. ADVANTICS Basic Information, Isolated Bidirectional DC-DC Converter Modules Manufacturing Base, Sales Area and Its Competitors

Table 135. ADVANTICS Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications

Table 136. ADVANTICS Isolated Bidirectional DC-DC Converter Modules Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 137. ADVANTICS Main Business

Table 138. ADVANTICS Latest Developments

Table 139. Zekalabs Basic Information, Isolated Bidirectional DC-DC Converter Modules Manufacturing Base, Sales Area and Its Competitors

Table 140. Zekalabs Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications

Table 141. Zekalabs Isolated Bidirectional DC-DC Converter Modules Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 142. Zekalabs Main Business

Table 143. Zekalabs Latest Developments

Table 144. Converdan A/S Basic Information, Isolated Bidirectional DC-DC Converter Modules Manufacturing Base, Sales Area and Its Competitors

Table 145. Converdan A/S Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications

Table 146. Converdan A/S Isolated Bidirectional DC-DC Converter Modules Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 147. Converdan A/S Main Business

Table 148. Converdan A/S Latest Developments

Table 149. Breeze Energies Sp. z o.o. Basic Information, Isolated Bidirectional DC-DC Converter Modules Manufacturing Base, Sales Area and Its Competitors

Table 150. Breeze Energies Sp. z o.o. Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications

Table 151. Breeze Energies Sp. z o.o. Isolated Bidirectional DC-DC Converter Modules Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 152. Breeze Energies Sp. z o.o. Main Business

Table 153. Breeze Energies Sp. z o.o. Latest Developments

Table 154. TPS Elektronik GmbH Basic Information, Isolated Bidirectional DC-DC Converter Modules Manufacturing Base, Sales Area and Its Competitors

Table 155. TPS Elektronik GmbH Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications

Table 156. TPS Elektronik GmbH Isolated Bidirectional DC-DC Converter Modules Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 157. TPS Elektronik GmbH Main Business

Table 158. TPS Elektronik GmbH Latest Developments
Table 159. Shenzhen Winline Technology Co., Ltd. Basic Information, Isolated Bidirectional DC-DC Converter Modules Manufacturing Base, Sales Area and Its Competitors
Table 160. Shenzhen Winline Technology Co., Ltd. Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications
Table 161. Shenzhen Winline Technology Co., Ltd. Isolated Bidirectional DC-DC Converter Modules Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
Table 162. Shenzhen Winline Technology Co., Ltd. Main Business
Table 163. Shenzhen Winline Technology Co., Ltd. Latest Developments
Table 164. Infypower Basic Information, Isolated Bidirectional DC-DC Converter Modules Manufacturing Base, Sales Area and Its Competitors
Table 165. Infypower Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications
Table 166. Infypower Isolated Bidirectional DC-DC Converter Modules Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
Table 167. Infypower Main Business
Table 168. Infypower Latest Developments
Table 169. Powerland Technology Inc. Basic Information, Isolated Bidirectional DC-DC Converter Modules Manufacturing Base, Sales Area and Its Competitors
Table 170. Powerland Technology Inc. Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications
Table 171. Powerland Technology Inc. Isolated Bidirectional DC-DC Converter Modules Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
Table 172. Powerland Technology Inc. Main Business
Table 173. Powerland Technology Inc. Latest Developments
Table 174. ImaxPWR Basic Information, Isolated Bidirectional DC-DC Converter Modules Manufacturing Base, Sales Area and Its Competitors
Table 175. ImaxPWR Isolated Bidirectional DC-DC Converter Modules Product Portfolios and Specifications
Table 176. ImaxPWR Isolated Bidirectional DC-DC Converter Modules Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
Table 177. ImaxPWR Main Business
Table 178. ImaxPWR Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Isolated Bidirectional DC-DC Converter Modules
- Figure 2. Isolated Bidirectional DC-DC Converter Modules Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Isolated Bidirectional DC-DC Converter Modules Sales Growth Rate 2021-2032 (K Units)
- Figure 7. Global Isolated Bidirectional DC-DC Converter Modules Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Isolated Bidirectional DC-DC Converter Modules Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Isolated Bidirectional DC-DC Converter Modules Sales Market Share by Country/Region (2025)
- Figure 10. Isolated Bidirectional DC-DC Converter Modules Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Up to 5 kW (<5 kW)
- Figure 12. Product Picture of Above 5 kW to 15 kW (>5–15 kW)
- Figure 13. Product Picture of Above 15 kW to 30 kW (>15–30 kW)
- Figure 14. Product Picture of Above 30 kW to 60 kW (>30–60 kW)
- Figure 15. Product Picture of Above 60 kW (>60 kW)
- Figure 16. Global Isolated Bidirectional DC-DC Converter Modules Sales Market Share by Rated Power Output in 2026
- Figure 17. Global Isolated Bidirectional DC-DC Converter Modules Revenue Market Share by Rated Power Output (2021-2026)
- Figure 18. Product Picture of Board-Mounted and Brick Modules
- Figure 19. Product Picture of Chassis-Mount and Panel-Mount Modules
- Figure 20. Product Picture of Rack-Mount and Plug-in Modules
- Figure 21. Product Picture of Others
- Figure 22. Global Isolated Bidirectional DC-DC Converter Modules Sales Market Share by Product Form Factor in 2026
- Figure 23. Global Isolated Bidirectional DC-DC Converter Modules Revenue Market Share by Product Form Factor (2021-2026)
- Figure 24. Product Picture of Natural Convection Cooling
- Figure 25. Product Picture of Forced-Air Cooling
- Figure 26. Product Picture of Liquid Cooling

Figure 27. Product Picture of Baseplate and Conduction Cooling

Figure 28. Product Picture of Others

Figure 29. Global Isolated Bidirectional DC-DC Converter Modules Sales Market Share by Cooling Method in 2026

Figure 30. Global Isolated Bidirectional DC-DC Converter Modules Revenue Market Share by Cooling Method (2021-2026)

Figure 31. Isolated Bidirectional DC-DC Converter Modules Consumed in Energy Storage Systems and DC Microgrids

Figure 32. Global Isolated Bidirectional DC-DC Converter Modules Market: Energy Storage Systems and DC Microgrids (2021-2026) & (K Units)

Figure 33. Isolated Bidirectional DC-DC Converter Modules Consumed in EV Charging and V2X Infrastructure

Figure 34. Global Isolated Bidirectional DC-DC Converter Modules Market: EV Charging and V2X Infrastructure (2021-2026) & (K Units)

Figure 35. Isolated Bidirectional DC-DC Converter Modules Consumed in Data Centers and ICT Power Systems

Figure 36. Global Isolated Bidirectional DC-DC Converter Modules Market: Data Centers and ICT Power Systems (2021-2026) & (K Units)

Figure 37. Isolated Bidirectional DC-DC Converter Modules Consumed in Electric Mobility and Transportation

Figure 38. Global Isolated Bidirectional DC-DC Converter Modules Market: Electric Mobility and Transportation (2021-2026) & (K Units)

Figure 39. Isolated Bidirectional DC-DC Converter Modules Consumed in Industrial Regenerative Power and Battery Testing

Figure 40. Global Isolated Bidirectional DC-DC Converter Modules Market: Industrial Regenerative Power and Battery Testing (2021-2026) & (K Units)

Figure 41. Isolated Bidirectional DC-DC Converter Modules Consumed in Fuel Cell and Distributed Energy Systems

Figure 42. Global Isolated Bidirectional DC-DC Converter Modules Market: Fuel Cell and Distributed Energy Systems (2021-2026) & (K Units)

Figure 43. Isolated Bidirectional DC-DC Converter Modules Consumed in Others

Figure 44. Global Isolated Bidirectional DC-DC Converter Modules Market: Others (2021-2026) & (K Units)

Figure 45. Global Isolated Bidirectional DC-DC Converter Modules Sale Market Share by Application (2025)

Figure 46. Global Isolated Bidirectional DC-DC Converter Modules Revenue Market Share by Application in 2025

Figure 47. Isolated Bidirectional DC-DC Converter Modules Sales by Company in 2025 (K Units)

Figure 48. Global Isolated Bidirectional DC-DC Converter Modules Sales Market Share by Company in 2025

Figure 49. Isolated Bidirectional DC-DC Converter Modules Revenue by Company in 2025 (\$ millions)

Figure 50. Global Isolated Bidirectional DC-DC Converter Modules Revenue Market Share by Company in 2025

Figure 51. Global Isolated Bidirectional DC-DC Converter Modules Sales Market Share by Geographic Region (2021-2026)

Figure 52. Global Isolated Bidirectional DC-DC Converter Modules Revenue Market Share by Geographic Region in 2025

Figure 53. Americas Isolated Bidirectional DC-DC Converter Modules Sales 2021-2026 (K Units)

Figure 54. Americas Isolated Bidirectional DC-DC Converter Modules Revenue 2021-2026 (\$ millions)

Figure 55. APAC Isolated Bidirectional DC-DC Converter Modules Sales 2021-2026 (K Units)

Figure 56. APAC Isolated Bidirectional DC-DC Converter Modules Revenue 2021-2026 (\$ millions)

Figure 57. Europe Isolated Bidirectional DC-DC Converter Modules Sales 2021-2026 (K Units)

Figure 58. Europe Isolated Bidirectional DC-DC Converter Modules Revenue 2021-2026 (\$ millions)

Figure 59. Middle East & Africa Isolated Bidirectional DC-DC Converter Modules Sales 2021-2026 (K Units)

Figure 60. Middle East & Africa Isolated Bidirectional DC-DC Converter Modules Revenue 2021-2026 (\$ millions)

Figure 61. Americas Isolated Bidirectional DC-DC Converter Modules Sales Market Share by Country in 2025

Figure 62. Americas Isolated Bidirectional DC-DC Converter Modules Revenue Market Share by Country (2021-2026)

Figure 63. Americas Isolated Bidirectional DC-DC Converter Modules Sales Market Share by Rated Power Output (2021-2026)

Figure 64. Americas Isolated Bidirectional DC-DC Converter Modules Sales Market Share by Application (2021-2026)

Figure 65. United States Isolated Bidirectional DC-DC Converter Modules Revenue Growth 2021-2026 (\$ millions)

Figure 66. Canada Isolated Bidirectional DC-DC Converter Modules Revenue Growth 2021-2026 (\$ millions)

Figure 67. Mexico Isolated Bidirectional DC-DC Converter Modules Revenue Growth

2021-2026 (\$ millions)

Figure 68. Brazil Isolated Bidirectional DC-DC Converter Modules Revenue Growth

2021-2026 (\$ millions)

Figure 69. APAC Isolated Bidirectional DC-DC Converter Modules Sales Market Share by Region in 2025

Figure 70. APAC Isolated Bidirectional DC-DC Converter Modules Revenue Market Share by Region (2021-2026)

Figure 71. APAC Isolated Bidirectional DC-DC Converter Modules Sales Market Share by Rated Power Output (2021-2026)

Figure 72. APAC Isolated Bidirectional DC-DC Converter Modules Sales Market Share by Application (2021-2026)

Figure 73. China Isolated Bidirectional DC-DC Converter Modules Revenue Growth 2021-2026 (\$ millions)

Figure 74. Japan Isolated Bidirectional DC-DC Converter Modules Revenue Growth 2021-2026 (\$ millions)

Figure 75. South Korea Isolated Bidirectional DC-DC Converter Modules Revenue Growth 2021-2026 (\$ millions)

Figure 76. Southeast Asia Isolated Bidirectional DC-DC Converter Modules Revenue Growth 2021-2026 (\$ millions)

Figure 77. India Isolated Bidirectional DC-DC Converter Modules Revenue Growth 2021-2026 (\$ millions)

Figure 78. Australia Isolated Bidirectional DC-DC Converter Modules Revenue Growth 2021-2026 (\$ millions)

Figure 79. China Taiwan Isolated Bidirectional DC-DC Converter Modules Revenue Growth 2021-2026 (\$ millions)

Figure 80. Europe Isolated Bidirectional DC-DC Converter Modules Sales Market Share by Country in 2025

Figure 81. Europe Isolated Bidirectional DC-DC Converter Modules Revenue Market Share by Country (2021-2026)

Figure 82. Europe Isolated Bidirectional DC-DC Converter Modules Sales Market Share by Rated Power Output (2021-2026)

Figure 83. Europe Isolated Bidirectional DC-DC Converter Modules Sales Market Share by Application (2021-2026)

Figure 84. Germany Isolated Bidirectional DC-DC Converter Modules Revenue Growth 2021-2026 (\$ millions)

Figure 85. France Isolated Bidirectional DC-DC Converter Modules Revenue Growth 2021-2026 (\$ millions)

Figure 86. UK Isolated Bidirectional DC-DC Converter Modules Revenue Growth 2021-2026 (\$ millions)

Figure 87. Italy Isolated Bidirectional DC-DC Converter Modules Revenue Growth 2021-2026 (\$ millions)

Figure 88. Russia Isolated Bidirectional DC-DC Converter Modules Revenue Growth 2021-2026 (\$ millions)

Figure 89. Middle East & Africa Isolated Bidirectional DC-DC Converter Modules Sales Market Share by Country (2021-2026)

Figure 90. Middle East & Africa Isolated Bidirectional DC-DC Converter Modules Sales Market Share by Rated Power Output (2021-2026)

Figure 91. Middle East & Africa Isolated Bidirectional DC-DC Converter Modules Sales Market Share by Application (2021-2026)

Figure 92. Egypt Isolated Bidirectional DC-DC Converter Modules Revenue Growth 2021-2026 (\$ millions)

Figure 93. South Africa Isolated Bidirectional DC-DC Converter Modules Revenue Growth 2021-2026 (\$ millions)

Figure 94. Israel Isolated Bidirectional DC-DC Converter Modules Revenue Growth 2021-2026 (\$ millions)

Figure 95. Turkey Isolated Bidirectional DC-DC Converter Modules Revenue Growth 2021-2026 (\$ millions)

Figure 96. GCC Countries Isolated Bidirectional DC-DC Converter Modules Revenue Growth 2021-2026 (\$ millions)

Figure 97. Manufacturing Cost Structure Analysis of Isolated Bidirectional DC-DC Converter Modules in 2026

Figure 98. Manufacturing Process Analysis of Isolated Bidirectional DC-DC Converter Modules

Figure 99. Industry Chain Structure of Isolated Bidirectional DC-DC Converter Modules

Figure 100. Channels of Distribution

Figure 101. Global Isolated Bidirectional DC-DC Converter Modules Sales Market Forecast by Region (2027-2032)

Figure 102. Global Isolated Bidirectional DC-DC Converter Modules Revenue Market Share Forecast by Region (2027-2032)

Figure 103. Global Isolated Bidirectional DC-DC Converter Modules Sales Market Share Forecast by Rated Power Output (2027-2032)

Figure 104. Global Isolated Bidirectional DC-DC Converter Modules Revenue Market Share Forecast by Rated Power Output (2027-2032)

Figure 105. Global Isolated Bidirectional DC-DC Converter Modules Sales Market Share Forecast by Application (2027-2032)

Figure 106. Global Isolated Bidirectional DC-DC Converter Modules Revenue Market Share Forecast by Application (2027-2032)

I would like to order

Product name: Global Isolated Bidirectional DC-DC Converter Modules Market Growth 2026-2032

Product link: <https://marketpublishers.com/r/G4482EE22865EN.html>

Price: US\$ 3,660.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G4482EE22865EN.html>