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Global DC-DC Power Supply Module Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global DC-DC Power Supply Module market size was valued at US$ 3759 million in 2025 and is forecast to a readjusted size of US$ 6542 million by 2032 with a CAGR of 8.0% during review period.

DC-DC Power Supply Modules are modular power conversion products that accept a direct-current input and convert it into one or more regulated or fixed-ratio DC outputs required by downstream electronic equipment and systems. They integrate the principal power conversion functions—including switching devices, control circuitry, magnetic components, rectification, filtering, feedback and protection—into an independently purchasable power module that can be directly embedded into a customer's system with limited external components.

The market covered in this report includes both isolated and non-isolated DC-DC modules, regulated and fixed-ratio converters, point-of-load (POL) modules, intermediate bus converters (IBC), and conventional brick converters. Products may be supplied in SIP, DIP, SMD/SMT, LGA, 1/32-brick, 1/16-brick, eighth-brick, quarter-brick, half-brick, full-brick, PCB-mount and baseplate-mounted formats. Their power ratings range from low-wattage industrial and instrumentation modules to kilowatt-class converters designed for telecommunications, high-performance computing and AI data centers.

The global DC-DC power supply module market is evolving from a mature base of low-power SIP and DIP isolated converters into a diversified power platform serving industrial equipment, medical systems, railway electronics, telecommunications, aerospace and defense, high-performance computing and AI data centers. Low-power

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modules continue to account for a substantial proportion of unit shipments, but incremental market value is increasingly generated by products offering higher power density, wider input ranges, higher conversion efficiency, digital control and enhanced reliability.

AI infrastructure is becoming the most important structural growth driver. Server power architectures are migrating from traditional 12 V distribution toward 48/54 V intermediate buses and, increasingly, higher-voltage DC distribution. This is increasing the required power rating of quarter-brick converters, IBCs, fixed-ratio converters and POL modules. Advanced Energy's NDQ1300, for example, delivers 1,300 W from a 48 V input in a standard quarter-brick footprint with peak efficiency of 97.7%, while its 2026 introduction of 800 V DC converters illustrates the industry's transition toward high-voltage power architectures for megawatt-scale AI racks.

Competition varies substantially by application. Advanced Energy, Flex Power Modules, Vicor, Delta, Murata and TDK-Lambda have strong positions in high-power computing, networking and telecom applications, while XP Power, RECOM, TRACO Power, COSEL, MORNSUN, P-DUKE and Cincon maintain broad portfolios for industrial, medical and railway applications. VPT, Crane/Interpoint, SynQor and GAIA Converter participate in higher-value aerospace, defense and high-reliability niches. As a result, the market remains moderately concentrated rather than dominated by a single supplier group.

Technology competition is increasingly shifting beyond conversion efficiency alone. Power density, thermal management, digital telemetry, wide-input capability, transient response and system-level power architecture are becoming critical differentiators. In industrial applications, qualification, EMC performance, temperature range and long-term availability remain major barriers to entry.

Report Scope

This report is a detailed and comprehensive analysis for global DC-DC Power Supply Module 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.

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Key Features:

Global DC-DC Power Supply Module market size and forecasts, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global DC-DC Power Supply Module market size and forecasts by region and country, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global DC-DC Power Supply Module market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global DC-DC Power Supply Module market shares of main players, shipments in revenue ($ Million), sales quantity (K Units), and ASP (US$/Unit), 2021-2026

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 DC-DC Power Supply Module

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 DC-DC Power Supply Module 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 Advanced Energy, TDK-Lambda, Murata Power Solutions, Vicor, Delta Electronics, Flex Power Modules, XP Power, RECOM Power, TRACO Power, COSEL, etc.

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

DC-DC Power Supply Module market is split by Type and by Application. For the period 2021-2032, 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 Segmentation

Market segment by Type

Isolated DC-DC Power Supply Modules

Non-Isolated DC-DC Power Supply Modules

Market segment by Power

?10 W

10–50 W

50–300 W

Above 300 W

Market segment by Application

Data Center & Computing

Telecom & Networking

Industrial Automation & Instrumentation

Medical Equipment

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Railway & Transportation

Aerospace & Defense

Other Applications

Major players covered

Advanced Energy

TDK-Lambda

Murata Power Solutions

Vicor

Delta Electronics

Flex Power Modules

XP Power

RECOM Power

TRACO Power

COSEL

MORNSUN

P-DUKE

Cincon

MINMAX Technology

Aimtec

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Bel Fuse / CUI

SynQor

MEAN WELL

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)

Chapter Outline

Chapter 1, to describe DC-DC Power Supply Module product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of DC-DC Power Supply Module, with price, sales quantity, revenue, and global market share of DC-DC Power Supply Module from 2021 to 2026.

Chapter 3, the DC-DC Power Supply Module competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the DC-DC Power Supply Module breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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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 2021 to 2032.

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 2021 to 2026.and DC-DC Power Supply Module market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 DC-DC Power Supply Module.

Chapter 14 and 15, to describe DC-DC Power Supply Module sales channel, distributors, customers, research findings and conclusion.

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