

# Global Space-grade DC-DC Converter Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Space-grade DC-DC Converter market size was valued at USD 18090 million in 2023 and is forecast to a readjusted size of USD 29210 million by 2030 with a CAGR of 7.1% during review period.

The market for space-grade DC-DC converters, which are specifically designed for use in space applications, is influenced by several trends:

- Growing Demand for Small Satellites:** The increasing demand for small satellites, including CubeSats and nanosatellites, is driving the need for compact, lightweight, and efficient space-grade DC-DC converters. These converters must meet the stringent requirements of space missions while fitting within the limited space and power constraints of small satellite platforms.
- Rise of Commercial Space Exploration:** The growing involvement of private companies in space exploration, satellite deployment, and space tourism is creating opportunities for space-grade DC-DC converter manufacturers. Commercial space companies require reliable and high-performance power management solutions for their spacecraft and satellite constellations.
- Advancements in Space Technology:** Technological advancements in space exploration, including deep space missions, lunar exploration, and Mars colonization, require innovative power solutions capable of operating in extreme environments and over extended mission durations. Space-grade DC-DC converters must withstand radiation, thermal cycling, and vacuum conditions while maintaining high efficiency and reliability.

The Global Info Research report includes an overview of the development of the Space-grade DC-DC Converter industry chain, the market status of Remote Sensing (3.3 VDC, 5 VDC), Surveillance (3.3 VDC, 5 VDC), and key enterprises in developed and

developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Space-grade DC-DC Converter.

Regionally, the report analyzes the Space-grade DC-DC Converter markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Space-grade DC-DC Converter market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Space-grade DC-DC Converter market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Space-grade DC-DC Converter industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., 3.3 VDC, 5 VDC).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Space-grade DC-DC Converter market.

**Regional Analysis:** The report involves examining the Space-grade DC-DC Converter market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Space-grade DC-DC Converter market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Space-grade DC-DC Converter:

**Company Analysis:** Report covers individual Space-grade DC-DC Converter manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Space-grade DC-DC Converter. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Remote Sensing, Surveillance).

**Technology Analysis:** Report covers specific technologies relevant to Space-grade DC-DC Converter. It assesses the current state, advancements, and potential future developments in Space-grade DC-DC Converter areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Space-grade DC-DC Converter market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Space-grade DC-DC Converter market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

3.3 VDC

5 VDC

12 VDC

15 VDC

## Market segment by Application

Remote Sensing

Surveillance

Communication

Navigation

Scientific Research

## Major players covered

Infineon Technologies AG

Peregrine Semiconductor Corp

VPT, Inc.

Crane Aerospace 8 Electronics

Astrodyne TDI

Vicor Corporation

XP Power

Gaia Converter

Polytron Devices, Inc.

Microsemi Corporation

Magna-Power Electronics

Texas Instruments

Xidas Magnetics

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 Space-grade DC-DC Converter product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Space-grade DC-DC Converter, with price, sales, revenue and global market share of Space-grade DC-DC Converter from 2019 to 2024.

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

Chapter 4, the Space-grade DC-DC Converter breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023. and Space-grade DC-DC Converter market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Space-grade DC-DC Converter.

Chapter 14 and 15, to describe Space-grade DC-DC Converter sales channel, distributors, customers, research findings and conclusion.

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