

Global Space-grade DC-DC Converter Supply, Demand and Key Producers, 2024-2030

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Abstracts

The global Space-grade DC-DC Converter market size is expected to reach \$ 29210 million by 2030, rising at a market growth of 7.1% CAGR during the forecast period (2024-2030).

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.

This report studies the global Space-grade DC-DC Converter production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Space-grade DC-DC Converter, and provides market size (US\$ million) and Year-over-Year

(YoY) Growth, considering 2023 as the base year. This report explores demand trends and competition, as well as details the characteristics of Space-grade DC-DC Converter that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Space-grade DC-DC Converter total production and demand, 2019-2030, (K Units)

Global Space-grade DC-DC Converter total production value, 2019-2030, (USD Million)

Global Space-grade DC-DC Converter production by region & country, production, value, CAGR, 2019-2030, (USD Million) & (K Units)

Global Space-grade DC-DC Converter consumption by region & country, CAGR, 2019-2030 & (K Units)

U.S. VS China: Space-grade DC-DC Converter domestic production, consumption, key domestic manufacturers and share

Global Space-grade DC-DC Converter production by manufacturer, production, price, value and market share 2019-2024, (USD Million) & (K Units)

Global Space-grade DC-DC Converter production by Type, production, value, CAGR, 2019-2030, (USD Million) & (K Units)

Global Space-grade DC-DC Converter production by Application production, value, CAGR, 2019-2030, (USD Million) & (K Units).

This reports profiles key players in the global Space-grade DC-DC Converter market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Infineon Technologies AG, Peregrine Semiconductor Corp, VPT, Inc., Crane Aerospace & Electronics, Astrodyne TDI, Vicor Corporation, XP Power, Gaia Converter and Polytron Devices, Inc., etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Space-grade DC-DC Converter market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2019-2030 by year with 2023 as the base year, 2024 as the estimate year, and 2025-2030 as the forecast year.

Global Space-grade DC-DC Converter Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Space-grade DC-DC Converter Market, Segmentation by Type

3.3 VDC

5 VDC

12 VDC

15 VDC

Global Space-grade DC-DC Converter Market, Segmentation by Application

Remote Sensing

Surveillance

Communication

Navigation

Scientific Research

Companies Profiled:

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

Key Questions Answered

1. How big is the global Space-grade DC-DC Converter market?
2. What is the demand of the global Space-grade DC-DC Converter market?
3. What is the year over year growth of the global Space-grade DC-DC Converter market?
4. What is the production and production value of the global Space-grade DC-DC Converter market?
5. Who are the key producers in the global Space-grade DC-DC Converter market?

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