

Global DC-DC converter Market Size study, by Vertical (Telecommunication, Automotive, Industrial Robots, Aerospace & defense, Medical, Railway, server , storage and network, Voltage and Energy), by Input Voltage (200 V), by Output Voltage (24 V), and Regional Forecasts 2021-2027

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Abstracts

Global DC-DC converter Market is valued approximately at USD 9 billion in 2020 and is anticipated to grow with a healthy growth rate of more than 12.3% over the forecast period 2021-2027. DC-DC converter is a device with high frequency circuits that consist of switching and inductors, capacitors and transformers, and are used to smooth out switch noise into regulated DC voltages. The global DC-DC converter market is being driven by growing demand for industrial robots in manufacturing and service sector, transition to 5G network infrastructure and increasing demand for voltage consumption. Furthermore, the increasing IoT applications in various industries, increasing demand for UAVs and satellites, and growing adoption of electric vehicles (EVs) will provide new opportunities for the global DC-DC converter industry. For instance, according to the International Federation of robotics, in year 2020, the worldwide stock of operational industrial robots stood at 1,828,000 units which increased to 3,053,000 units in year 2018; it represents average annual growth rate of 14 percent between 2018 and 2020. As a result, increased automation will necessitate the use of more DC-DC converters in the manufacturing of different automobile industrial parts, which will serve as a catalyst for the DC-DC converter industry in the future. However, functionality of DC-DC converters in low Voltage mode and product manufacturing challenges may impede market growth over the forecast period of 2021-2027.

Asia Pacific, North America, Europe, Latin America, and Rest of the World are the key

region considered for the regional analysis of global DC-DC converter. The rapid growth of the technologically advanced power converter makes the Asia Pacific the leading region across the world in terms of market share. Whereas Asia Pacific is also anticipated to exhibit the highest growth rate over the forecast period 2021-2027 due to the rise in manufacturing industries and growing aerospace and defense industry in the region.

Major market player included in this report are:

Tdk-lambda Corporation
Traco electronics Ag
Murata manufacturing co. ltd
Infineon technologies Ag
Advanced energy industries Inc.
ABB LTD
Texas instruments incorporated
Flex Ltd
Vicor Corporation
FDK corporation

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Vertical:

Telecommunication
Automotive
Industrial Robots
Aerospace & defense
Medical
Railway
Server, storage and network
Voltage and Energy

By Input Voltage:

200 V

By Output Voltage:

24 V

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019

Base year – 2020

Forecast period – 2021 to 2027.

Target Audience of the Global DC-DC converter Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

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