

# DC Power Supplies Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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## Abstracts

The global DC power supplies market size reached US\$ 417.2 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 534.0 Million by 2028, exhibiting a growth rate (CAGR) of 4% during 2023-2028.

Direct current (DC) power supplies refer to an embedded circuit that provides constant and stabilized power supply to electronic modules. They are commonly available in two forms, namely switching and linear power supplies. The switching variants are compact and light-weight, offer higher power efficiency and can be efficiently used for devices with low, medium and high power output. The linear variants use large transformers to drop the voltage to alternating current (AC) and then convert it into DC voltage. DC power supplies offer various benefits, such as repeatable power on and off with minimal input related problems and higher accuracy in readbacks, thereby eliminating the need for external meters, shunts, relays and switching calibration.

The increasing demand for energy-efficient power supplies for consumer electronics, along with the emerging trend of industrial automation across the globe, represents one of the key factors driving the growth of the market. Furthermore, the widespread adoption of wireless communication systems across industries, such as aerospace, defense and telecommunications, is also driving the market growth. Electronic systems in industrial units require precise voltage supply that is stabilized over fluctuations, thereby enhancing the requirement for DC power supplies. They are also used to test automobile batteries, fuel cells, charging stations, on-board chargers and digital interfaces. Additionally, various technological advancements, such as the integration of electronic devices with the Internet of Things (IoT), are acting as other growth-inducing factors. Various devices, such as laptops, smartphones and tablets, depend on DC

power supplies for maintaining a constant supply of voltage, which, therefore, is facilitating their demand. Other factors, including the development of programmable DC power supplies, along with significant improvements in the information technology (IT) infrastructure, are anticipated to drive the market further.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global DC power supplies market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on product type, output power and application.

#### Breakup by Product Type:

AC-DC

DC-DC

#### Breakup by Output Power:

Low Output (Less Than 10 kW)

Medium Output (10–100 kW)

High Output (Above 100 kW)

#### Breakup by Application:

Military, Aerospace and Defense

Automotive

Energy

Telecommunication

Healthcare

Consumer Electronics

Others

#### Breakup by Region:

North America

United States

Canada

Asia Pacific

China

Japan  
India  
South Korea  
Australia  
Indonesia  
Others  
Europe  
Germany  
France  
United Kingdom  
Italy  
Spain  
Russia  
Others  
Latin America  
Brazil  
Mexico  
Others  
Middle East and Africa

#### Competitive Landscape:

The competitive landscape of the industry has also been examined with some of the key players being Acopian Technical Company, Ametek Inc., B&K Precision Corporation, Chroma ATE Inc., Good Will Instrument Co. Ltd., Keysight Technologies Inc., Magna-Power Electronics Inc., MEAN WELL Enterprises Co. Ltd., Rohde & Schwarz GmbH & Co KG, TDK Corporation and Tektronix Inc. (Fortive Corporation).

#### Key Questions Answered in This Report:

How has the global DC power supplies market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global DC power supplies market?

What are the key regional markets?

What is the breakup of the market based on the product type?

What is the breakup of the market based on the output power?

What is the breakup of the market based on the application?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the market?

What is the structure of the global DC power supplies market and who are the key players?

What is the degree of competition in the market?

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