

DC Power Supplies Market Report by Product Type (AC-DC, DC-DC), Output Power (Low Output (Less Than 10 kW), Medium Output (10-100 kW), High Output (Above 100 kW)), Application (Military, Aerospace and Defense, Automotive, Energy, Telecommunication, Healthcare, Consumer Electronics, and Others), and Region 2024-2032

Market Report | 2024-03-02 | 138 pages | IMARC Group

AVAILABLE LICENSES:

- Electronic (PDF) Single User \$3899.00
- Five User Licence \$4899.00
- Enterprisewide License \$5899.00

Report description:

The global DC power supplies market size reached US\$ 434.7 Million in 2023. Looking forward, IMARC Group expects the market to reach US\$ 607.1 Million by 2032, exhibiting a growth rate (CAGR) of 3.7% during 2024-2032.

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

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

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 2024-2032. 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

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

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

1. What was the size of the global DC power supplies market in 2023?
2. What is the expected growth rate of the global DC power supplies market during 2024-2032?
3. What are the key factors driving the global DC power supplies market?
4. What has been the impact of COVID-19 on the global DC power supplies market?
5. What is the breakup of the global DC power supplies market based on the product type?
6. What is the breakup of the global DC power supplies market based on the output power?
7. What is the breakup of the global DC power supplies market based on the application?
8. What are the key regions in the global DC power supplies market?
9. Who are the key players/companies in the global DC power supplies market?

Table of Contents:

- 1 Preface
- 2 Scope and Methodology
 - 2.1 Objectives of the Study
 - 2.2 Stakeholders
 - 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
 - 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
 - 2.5 Forecasting Methodology
- 3 Executive Summary
- 4 Introduction
 - 4.1 Overview
 - 4.2 Key Industry Trends
- 5 Global DC Power Supplies Market
 - 5.1 Market Overview
 - 5.2 Market Performance
 - 5.3 Impact of COVID-19

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 5.4 Market Forecast
- 6 Market Breakup by Product Type
 - 6.1 AC-DC
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
 - 6.2 DC-DC
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 7 Market Breakup by Output Power
 - 7.1 Low Output (Less Than 10 kW)
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
 - 7.2 Medium Output (10-100 kW)
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
 - 7.3 High Output (Above 100 kW)
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 8 Market Breakup by Application
 - 8.1 Military, Aerospace and Defense
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
 - 8.2 Automotive
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
 - 8.3 Energy
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
 - 8.4 Telecommunication
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast
 - 8.5 Healthcare
 - 8.5.1 Market Trends
 - 8.5.2 Market Forecast
 - 8.6 Consumer Electronics
 - 8.6.1 Market Trends
 - 8.6.2 Market Forecast
 - 8.7 Others
 - 8.7.1 Market Trends
 - 8.7.2 Market Forecast
- 9 Market Breakup by Region
 - 9.1 North America
 - 9.1.1 United States
 - 9.1.1.1 Market Trends
 - 9.1.1.2 Market Forecast
 - 9.1.2 Canada
 - 9.1.2.1 Market Trends

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 9.1.2.2 Market Forecast
- 9.2 Asia Pacific
 - 9.2.1 China
 - 9.2.1.1 Market Trends
 - 9.2.1.2 Market Forecast
 - 9.2.2 Japan
 - 9.2.2.1 Market Trends
 - 9.2.2.2 Market Forecast
 - 9.2.3 India
 - 9.2.3.1 Market Trends
 - 9.2.3.2 Market Forecast
 - 9.2.4 South Korea
 - 9.2.4.1 Market Trends
 - 9.2.4.2 Market Forecast
 - 9.2.5 Australia
 - 9.2.5.1 Market Trends
 - 9.2.5.2 Market Forecast
 - 9.2.6 Indonesia
 - 9.2.6.1 Market Trends
 - 9.2.6.2 Market Forecast
 - 9.2.7 Others
 - 9.2.7.1 Market Trends
 - 9.2.7.2 Market Forecast
- 9.3 Europe
 - 9.3.1 Germany
 - 9.3.1.1 Market Trends
 - 9.3.1.2 Market Forecast
 - 9.3.2 France
 - 9.3.2.1 Market Trends
 - 9.3.2.2 Market Forecast
 - 9.3.3 United Kingdom
 - 9.3.3.1 Market Trends
 - 9.3.3.2 Market Forecast
 - 9.3.4 Italy
 - 9.3.4.1 Market Trends
 - 9.3.4.2 Market Forecast
 - 9.3.5 Spain
 - 9.3.5.1 Market Trends
 - 9.3.5.2 Market Forecast
 - 9.3.6 Russia
 - 9.3.6.1 Market Trends
 - 9.3.6.2 Market Forecast
 - 9.3.7 Others
 - 9.3.7.1 Market Trends
 - 9.3.7.2 Market Forecast
- 9.4 Latin America
 - 9.4.1 Brazil

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 9.4.1.1 Market Trends
- 9.4.1.2 Market Forecast
- 9.4.2 Mexico
 - 9.4.2.1 Market Trends
 - 9.4.2.2 Market Forecast
- 9.4.3 Others
 - 9.4.3.1 Market Trends
 - 9.4.3.2 Market Forecast
- 9.5 Middle East and Africa
 - 9.5.1 Market Trends
 - 9.5.2 Market Breakup by Country
 - 9.5.3 Market Forecast
- 10 SWOT Analysis
 - 10.1 Overview
 - 10.2 Strengths
 - 10.3 Weaknesses
 - 10.4 Opportunities
 - 10.5 Threats
- 11 Value Chain Analysis
- 12 Porters Five Forces Analysis
 - 12.1 Overview
 - 12.2 Bargaining Power of Buyers
 - 12.3 Bargaining Power of Suppliers
 - 12.4 Degree of Competition
 - 12.5 Threat of New Entrants
 - 12.6 Threat of Substitutes
- 13 Competitive Landscape
 - 13.1 Market Structure
 - 13.2 Key Players
 - 13.3 Profiles of Key Players
 - 13.3.1 Acopian Technical Company
 - 13.3.1.1 Company Overview
 - 13.3.1.2 Product Portfolio
 - 13.3.2 Ametek Inc.
 - 13.3.2.1 Company Overview
 - 13.3.2.2 Product Portfolio
 - 13.3.2.3 Financials
 - 13.3.3 B&K Precision Corporation
 - 13.3.3.1 Company Overview
 - 13.3.3.2 Product Portfolio
 - 13.3.4 Chroma ATE Inc.
 - 13.3.4.1 Company Overview
 - 13.3.4.2 Product Portfolio
 - 13.3.4.3 Financials
 - 13.3.5 Good Will Instrument Co. Ltd.
 - 13.3.5.1 Company Overview
 - 13.3.5.2 Product Portfolio

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 13.3.5.3 Financials
- 13.3.6 Keysight Technologies Inc.
 - 13.3.6.1 Company Overview
 - 13.3.6.2 Product Portfolio
 - 13.3.6.3 Financials
 - 13.3.6.4 SWOT Analysis
- 13.3.7 Magna-Power Electronics Inc.
 - 13.3.7.1 Company Overview
 - 13.3.7.2 Product Portfolio
- 13.3.8 MEAN WELL Enterprises Co. Ltd.
 - 13.3.8.1 Company Overview
 - 13.3.8.2 Product Portfolio
- 13.3.9 Rohde & Schwarz GmbH & Co KG
 - 13.3.9.1 Company Overview
 - 13.3.9.2 Product Portfolio
- 13.3.10 TDK Corporation
 - 13.3.10.1 Company Overview
 - 13.3.10.2 Product Portfolio
 - 13.3.10.3 Financial
 - 13.3.10.4 SWOT Analysis
- 13.3.11 Tektronix Inc. (Fortive Corporation)
 - 13.3.11.1 Company Overview
 - 13.3.11.2 Product Portfolio
 - 13.3.11.3 SWOT Analysis

DC Power Supplies Market Report by Product Type (AC-DC, DC-DC), Output Power (Low Output (Less Than 10 kW), Medium Output (10-100 kW), High Output (Above 100 kW)), Application (Military, Aerospace and Defense, Automotive, Energy, Telecommunication, Healthcare, Consumer Electronics, and Others), and Region 2024-2032

Market Report | 2024-03-02 | 138 pages | IMARC Group

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Electronic (PDF) Single User	\$3899.00
	Five User Licence	\$4899.00
	Enterprisewide License	\$5899.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2025-06-23"/>
		Signature	<input type="text"/>