

Global Power Supply Market Size study, by Output Power (Low, Medium, High), by Product Type (AC-DC, DC-DC), by Vertical (Lighting, Consumer Electronics, Telecommunications, Transportation, Food & Beverages, Medical & Healthcare, Military & Aerospace, Industrial) and Regional Forecasts 2022-2032

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Abstracts

The Global Power Supply Market was valued at approximately USD 35.56 billion in 2023 and is projected to grow at a compound annual growth rate (CAGR) of 4.75% from 2024 to 2032. Power supply encompasses the provision of electrical power to an electrical load through electrical equipment, facilitating the conversion of various forms of energy to the required current, voltage, and frequency necessary to power the load. This market is experiencing substantial growth driven by the increasing demand for home and building automation, advancements in the telecommunications sector, and the rising necessity for energy-efficient equipment.

Significant growth in the use of home and building automation systems is a primary driver of market expansion. Building automation is gaining traction due to its potential to reduce energy consumption, simplify building operations, monitoring, and maintenance, and enhance occupant satisfaction. The growing demand for advanced lighting solutions, energy-efficient devices, and the robust telecommunications industry further accelerate the global power supply market's growth. Increased demand for power supply in sectors such as consumer electronics, medical and healthcare, and military and aerospace presents lucrative growth opportunities for the industry. However, the need to comply with various regulatory and safety standards, which differ across countries and regions, poses a significant challenge for market participants. Moreover,

The rapid adoption of robotics in the industrial sector worldwide drives the need for different types of power subsystems such as AC/DC converters, battery management systems, and DC/DC converters in various robotic applications. As requirements for load capacity, visual recognition, and user functionality in robotic applications evolve, power conversion becomes increasingly complex.

The key regions considered for the Global Power Supply market study include Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. Asia-Pacific is the leading region, driven by its significant manufacturing base, rapid industrialization, and increasing demand for consumer electronics and industrial automation. The region benefits from the presence of major market players and a growing infrastructure sector, particularly in countries like China, Japan, and South Korea. On the other hand, the fastest-growing region is expected to be the Middle East and Africa. This growth is propelled by increasing investments in infrastructure development, rising urbanization, and an expanding energy sector. Additionally, government initiatives aimed at boosting renewable energy adoption and enhancing power supply reliability are key drivers in this region.

Major market players included in this report are:

TDK Lambda
Siemens
General Electric
XP Power
Murata Power Solutions
Artesyn
Phoenix Contact
Delta Electronics
Cosel
PULS
CUI
Acbel Polytech
Salcom
LITE-ON Power System Solutions
FSP

The detailed segments and sub-segment of the market are explained below:

By Output Power:

Low
Medium

High

By Product Type:

AC-DC

DC-DC

By Vertical:

Lighting

Consumer Electronics

Telecommunications

Transportation

Food & Beverages

Medical & Healthcare

Military & Aerospace

Industrial

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 Latin America

Middle East & Africa
Saudi Arabia
South Africa
RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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