

# **Global Switch Mode Power Supply Transformers Market Size Study, by Type, by Application (Communications, Industrial, Consumer Electronics, Others) and Regional Forecasts 2022-2032**

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## **Abstracts**

The Global Switch Mode Power Supply (SMPS) Transformers Market was valued at approximately USD 2.78 billion in 2023 and is projected to expand at a CAGR of 4.70% during the forecast period 2024-2032. The accelerating demand for energy-efficient power solutions has fueled the adoption of SMPS transformers across various industrial and consumer applications. These transformers, renowned for their ability to regulate voltage and ensure efficient power conversion, have become an integral component in a wide range of industries, including telecommunications, automation, and consumer electronics.

As industries shift towards high-performance, compact, and cost-effective power conversion technologies, SMPS transformers are increasingly replacing conventional linear transformers due to their superior efficiency and minimal energy losses. Moreover, the rising need for sustainable energy solutions, coupled with rapid advancements in miniaturization and high-frequency switching, is further propelling market growth. Governments and regulatory bodies worldwide are implementing stringent energy efficiency standards, driving manufacturers to develop lightweight, low-noise, and high-efficiency SMPS transformers tailored to diverse applications.

The surge in demand for electronic devices, particularly in smartphones, data centers, electric vehicles (EVs), and industrial automation, is fostering a significant uptick in the adoption of advanced power management solutions. Additionally, the rapid expansion of 5G infrastructure and IoT-connected devices necessitates robust power conversion systems, which, in turn, strengthens the market for SMPS transformers. However, price

volatility of raw materials, complexities in design, and strict regulatory requirements pose potential challenges to market growth. Despite these challenges, technological innovations, including silicon carbide (SiC) and gallium nitride (GaN)-based SMPS transformers, are anticipated to create new revenue streams and enhance operational efficiency.

Regionally, North America continues to dominate the global market, attributed to early adoption of cutting-edge power technologies and growing investments in smart grid infrastructure. The United States remains a key contributor, with industry leaders focusing on R&D and strategic partnerships to improve transformer efficiency and durability. Europe, following closely, is witnessing rapid advancements due to energy efficiency directives and widespread industrial automation. Meanwhile, Asia-Pacific is expected to exhibit the fastest growth rate, driven by expanding manufacturing sectors, increasing consumer electronics demand, and government initiatives promoting renewable energy integration. Countries like China, India, and Japan are investing heavily in power electronics and semiconductor technologies, positioning the region as a major hub for SMPS transformer innovation.

#### Major Market Players Included in This Report:

Schaffner Holding AG

TDK Corporation

Mitsubishi Electric Corporation

Sumida Corporation

Eaton Corporation

Vishay Intertechnology, Inc.

Pulse Electronics Corporation

Tamura Corporation

Infineon Technologies AG

Murata Manufacturing Co., Ltd.

STMicroelectronics N.V.

Texas Instruments Incorporated

Coilcraft Inc.

Bel Fuse Inc.

Fair-Rite Products Corp.

The Detailed Segments and Sub-Segments of the Market Are Explained Below:

By Type:

Step-up Transformer

Step-down Transformer

Isolation Transformer

Others

By Application:

Communications

Industrial

Consumer Electronics

Others

By Region:

North America:

U.S.

Canada

Europe:

UK

Germany

France

Spain

Italy

Rest of Europe

Asia-Pacific:

China

India

Japan

Australia

South Korea

Rest of Asia-Pacific

Latin America:

Brazil

Mexico

Rest of Latin America

Middle East & Africa:

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years Considered for the Study:

Historical Year: 2022

Base Year: 2023

Forecast Period: 2024 to 2032

Key Takeaways:

Market estimates and forecasts for 10 years from 2022 to 2032.

Annualized revenues and regional-level analysis for each market segment.

Comprehensive country-level assessment of major regions.

Competitive landscape analysis with profiles of leading market players and their key strategies.

Business insights and recommendations on market approach and investment opportunities.

In-depth analysis of market structure, demand, and supply dynamics.

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