+357 96 030922
info@marketpublishers.com

Global Transformers for Data Centers Market Research Report 2026(Status and Outlook)

https://marketpublishers.com/r/G3FA585958A0EN.html
Date: February 2026
Pages: 158
Price: US$ 2,980.00 (Single User License)
ID: G3FA585958A0EN

Abstracts

The 2025 U.S. tariff policies introduce profound uncertainty into the global economic landscape. This report critically examines the implications of recent tariff adjustments and international strategic countermeasures on Transformers for Data Centers competitive dynamics, regional economic interdependencies, and supply chain reconfigurations.Transformers for Data Centers are critical equipment designed specifically for data center power supply and distribution systems. Their primary functions include voltage conversion, electrical isolation, and power protection. They are responsible for reducing high- or medium-voltage grid power to the low-voltage power required by servers and related loads, and are a core component of data center power security systems. The demand for AI computing power is driving the expansion of data centers, and data center construction and power supply infrastructure are expected to accelerate.Compared to conventional transformers, Transformers for Data Centers are designed with a greater emphasis on high reliability, low energy consumption, fire safety, and environmental adaptability. Common types include dry-type transformers (such as epoxy-cast), oil-immersed transformers (such as mineral oil or ester oil), and the more recently emerging liquid-immersed environmentally friendly transformers, each designed for different power supply links and environmental requirements.Due to the extremely high requirements for power continuity and power quality in data centers, Transformers for Data Centers typically feature low noise, low losses, excellent heat dissipation, strong overload capacity, and compliance with various high-efficiency standards (such as DOE and EU energy efficiency standards). In large-scale data center projects, transformers are often used in conjunction with UPS systems, generator sets, and energy storage equipment to form a complete redundant power supply system.In 2024, global production of transformers for data centers reached 69,345 MW, with an average selling price of $17 per kW.Transformers for Data Centers, core components of power infrastructure, are experiencing a new round of technological

+357 96 030922
info@marketpublishers.com

upgrades and market transformation as the global digitalization process accelerates. Currently, the industry's mainstream technology is based on high-efficiency dry-type transformers. Amorphous alloy transformers, with their ultra-low no-load losses (60%-70% lower than traditional silicon steel transformers), are gaining popularity in hyperscale data centers. At the same time, to meet the demands of high power density, innovative solutions such as liquid-cooled transformers and intelligent monitoring systems are being piloted by leading technology companies. However, material costs (amorphous alloy transformers are 30% more expensive) and technical barriers continue to constrain their adoption, resulting in a market characterized by a clear demand for higher efficiency but gradual commercialization.In recent years, global energy requirements for data centers have become increasingly stringent. Policies such as China's "East-West Computing" project and the EU's Energy Efficiency Directive (EED) have both set higher PUE (Power Usage Effectiveness) standards for data centers, driving market demand for high-efficiency and energy-saving transformers. Furthermore, the trend toward green data centers is prompting operators to adopt renewable energy sources, which in turn places new demands on transformer compatibility and stability. In terms of market competition, international giants such as Schneider Electric, Hitachi Energy, Siemens Energy, and GE dominate the high-end market with their technological expertise and vertical integration capabilities. Chinese manufacturers, however, are achieving differentiated competition in emerging scenarios such as edge data centers through rapid response and customized services. Notably, policies and regulations are becoming a key driver. The continued upgrades to the EU's EU 548/2014 Tier 3 energy efficiency standards and China's GB 20052-2020 are forcing the industry to eliminate inefficient production capacity.Looking ahead, the industry faces a critical window for technological decision-making. In the short term, a combination of amorphous alloys and digital monitoring will be the most cost-effective solution. In the long term, attention should be paid to the breakthrough potential of wide-bandgap semiconductor (SiC) transformers. Despite discussions about alternative technologies such as DC power supply and modular integration, traditional AC transformers are expected to maintain a dominant market share for the next 5-10 years. For companies, building competitive advantages in three key areas?material innovation (such as the use of ultra-thin silicon steel), deep application development (such as liquid cooling system adaptation), and zero-carbon transformation (such as carbon footprint traceability)?will determine their survival in the second half of the competition. With the rise of emerging data center markets in Southeast Asia and the Middle East, companies with technological expertise and localized service capabilities are poised to reap the benefits of significant growth.

The global Transformers for Data Centers market size was estimated at USD 1150.0

+357 96 030922
info@marketpublishers.com

million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 13.40% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global Transformers for Data Centers market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global Transformers for Data Centers market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the Transformers for Data Centers market.

Global Transformers for Data Centers Market: Market Segmentation Analysis

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

Key Company

+357 96 030922
info@marketpublishers.com

Hitachi Energy
Siemens Energy
Eaton
TMC Transformers
Hyosung Heavy Industries
Schneider Electric
GE
Virginia Transformer
Eaglerise Electric and Electronic
Guangdong Mingyang Electric
Hainan Jinpan Smart Technology Co., Ltd.
TBEA Co., Ltd.
Guangdong Shunna Electric Co.,Ltd.
Jiangsu Yangdian Science and Technology

Market Segmentation (by Type)

Dry-type Transformers
Oil-immersed Transformers

Market Segmentation (by Application)

Non-AI Data Centers
AI Data Centers

Geographic Segmentation

North America (USA, Canada, Mexico)
Europe (Germany, UK, France, Russia, Italy, Rest of Europe)
Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)
South America (Brazil, Argentina, Columbia, Rest of South America)
The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study
Neutral perspective on the market performance

+357 96 030922
info@marketpublishers.com

Recent industry trends and developments
Competitive landscape & strategies of key players
Potential & niche segments and regions exhibiting promising growth covered
Historical, current, and projected market size, in terms of value
In-depth analysis of the Transformers for Data Centers Market
Overview of the regional outlook of the Transformers for Data Centers Market:

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Transformers for Data Centers Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application,

+357 96 030922
info@marketpublishers.com

covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of Transformers for Data Centers, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change
This enables you to anticipate market changes to remain ahead of your competitors
You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents
The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly
Provision of market value data for each segment and sub-segment
Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market
Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region
Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and

+357 96 030922
info@marketpublishers.com

acquisitions in the past five years of companies profiled
Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players
The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions
Includes in-depth analysis of the market from various perspectives through Porter?s five forces analysis
Provides insight into the market through Value Chain
Market dynamics scenario, along with growth opportunities of the market in the years to come
6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

7 TRANSFORMERS FOR DATA CENTERS MARKET SEGMENTATION BY APPLICATION

8 TRANSFORMERS FOR DATA CENTERS MARKET SALES BY REGION

+357 96 030922
info@marketpublishers.com

9 TRANSFORMERS FOR DATA CENTERS MARKET PRODUCTION BY REGION

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

11 TRANSFORMERS FOR DATA CENTERS MARKET FORECAST BY REGION

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2035)

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global Transformers for Data Centers Market Research Report 2026(Status and Outlook)
Product link: https://marketpublishers.com/r/G3FA585958A0EN.html
Price: US$ 2,980.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/G3FA585958A0EN.html