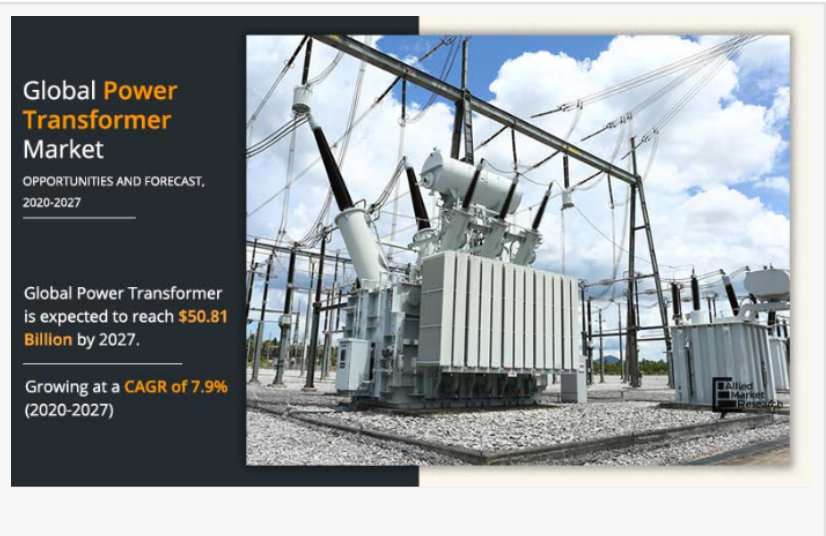


Power Transformer Market: Dynamic Analysis | Asia Pacific CAGR of 9% by Singapore, South Korea, Hong Kong, Japan, Taiwan

Global Power Transformer Market Share to grow at 7.9% CAGR To 2027

WILMINGTON, DELAWARE, UNITED STATES, March 5, 2024
/EINPresswire.com/ --

According to a new report published by Allied Market Research, The [power transformer market](#) was valued at \$27.7 billion in 2019, and is expected to reach \$50.8 billion by 2027, registering a CAGR of 7.9% from 2020 to 2027.



Power transformers play a critical role in electricity transmission and distribution networks, facilitating the efficient and safe transfer of electrical energy over long distances and varying voltage levels. Their design, construction, and operation are essential considerations for ensuring the reliability and stability of electrical power systems.

“

Power transformer market is projected to witness incredible growth due to increasing demand for electricity throughout the world.”

Allied Market Research (AMR)

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Rise in demand for electricity across the world, replacement of existing transmission networks, and surge in adoption of smart grids have boosted the growth of the

global power transformer market. However, high installation, logistics, and supporting the infrastructure cost of the transformer hamper the market.

The global power transformer market across Asia-Pacific held the largest share in 2019, accounting for more than two-fifths of the market. Moreover, the region is expected to manifest

the highest CAGR of 9.0% during the forecast period, owing to ongoing power grid expansion projects, namely in India and China. The market across North America held more than one-fourth of the market.

Major players in the power transformer industry include Bharat Heavy Electricals Ltd., CG Power and Industrial Solutions Ltd., EMCO Ltd., General Electric Company, Hitachi Ltd., Kirloskar Electric Co. Ltd., Schneider Electric SE, Siemens AG, TBEA Co. Ltd., and Toshiba Corporation.

The medium segment held the largest share

The medium segment dominated the global power transformer market in 2019, accounting for nearly half of the market. Moreover, the segment is expected to register the highest CAGR of 8.7% during the forecast period, owing to the replacement of existing power transformers as well as new power grid projects.

Power Transformer is part of the transmission system and an important element in the power delivery value chain. It facilitates evacuation of power from generating stations and its delivery to the load centers.

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Power transformers are generally used in transmission network for stepping up or down the voltage level. These transformers operate at peak load and are designed to have maximum efficiency at full load.

Power transformers enable the power transmission low-voltage to high-voltages from one network to the other without change in frequency.

Increase in electricity consumption, replacement of existing power transformers for integration with renewable energy sources as well as deployment of smart power grids are the major drivers driving the global power transformer market.

Increase in demand for electricity and emergence of renewable power sources increases the adoption of high voltage transmission technologies such as UHV, HVAC and HVDC power transformers.

The development of modern electric cars and incentives to deploy them is increasing the consumption of electricity in the automotive sector.

For efficient dispersal of power to deficit regions, strengthening and enhancement of the transmission system network are required.

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Aging infrastructure is one of the factors boosting the growth of the global power transformers market. Aging equipment has a higher risk of failure and is unreliable. Frequent failure in transmission hampers customer development as in the case of industries and other commercial consumers of electricity that demand stable supply of electric power.

Growth in renewable energy investment slows due to grid limitations. Hence, upgrading the capacity of power transformers is crucial to meet the future demand for electricity.

The global power transformers market growth varies in each region depending on the government investments, economic development, and private utility companies' willingness to upgrade existing transmission networks.

Power transformers are mainly used to step-up the voltage as transmission of high voltage power is more efficient than low voltage transmission. It is used in generation step-up units (GSU), transmission substations, industrial plants like oil & gas refinery, chemicals & petrochemicals, cement industry, mining industry, desalination plants, malls, metros, and other infrastructural fields.

High-voltage direct current (HVDC) has emerged as the preferred transmission technology for long distance bulk power supply.

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Countries such as the U.S. and China, have constructed long distance power transmission networks to transfer more energy via UHV DC, thereby maximizing the use of renewable energy while slashing reliance on coal. Utilization of ultra-high-voltage transmission technology is already being used in many countries such as China.

Trending Reports in Energy and Power Industry:

Voltage Transformer Market

<https://www.globenewswire.com/news-release/2024/01/17/2810740/0/en/Voltage-Transformer-Market-to-Reach-42-1-billion-Globally-by-2032-at-6-6-CAGR-Allied-Market-Research.html>

Renewable Energy Transformer Market

<https://www.prnewswire.com/news-releases/renewable-energy-transformer-market-to-reach-57-6-billion-globally-by-2032-at-7-1-cagr-allied-market-research-302007056.html>

Instrument Transformers Market

<https://www.prnewswire.com/news-releases/instrument-transformers-market-to-reach-17-2-billion-globally-by-2032-at-6-1-cagr-allied-market-research-302006109.html>

Transformers Market

<https://www.globenewswire.com/news-release/2023/11/10/2778027/0/en/Global-Transformers-Market-to-Reach-102-96-Billion-at-a-CAGR-of-6-1-by-2031-Allied-Market-Research.html>

Dry Type Transformer Market

<https://www.globenewswire.com/news-release/2020/08/12/2077227/0/en/Dry-Type-Transformer-Market-is-Anticipated-to-Reach-7-3-Billion-by-2027-AMR.html>

Power Transformer Market

<https://www.globenewswire.com/news-release/2020/06/22/2051389/0/en/Power-Transformer-Market-to-Garner-50-8-Billion-by-2027-at-7-9-CAGR-AMR.html>

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Pawan Kumar, the CEO of Allied Market Research, is leading the organization toward providing high-quality data and insights. We are in professional corporate relations with various companies and this helps us in digging out market data that helps us generate accurate research data tables and confirms utmost accuracy in our market forecasting. Each and every data presented in the reports published by us is extracted through primary interviews with top officials from leading companies of domain concerned. Our secondary data procurement methodology includes deep online and offline research and discussion with knowledgeable professionals and analysts in the industry.

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