

Europe Power & Distribution Transformer Market By Type (Power Transformer, Distribution Transformer), By Rating (upto 100 kVA, 100.1-500kVA, 500.1-1000kVA, 1000.1-5000kVA, 5.1-100MVA, 100.1-500MVA,Above 500MVA), By End User (Residential, Commercial, Industrial, Utility), By Phase (Single Phase, Three Phase), By Insulation (Oil Immersed, Dry), By Country, Competition, Forecast and Opportunities, 2028

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Abstracts

Europe Power & Distribution Transformer Market is anticipated to grow robustly in the forecast period 2024-2028. The European transformer market is projected to be driven by factors such rising energy demands from industry and modernizing outdated transmission and distribution systems.

Distribution transformer is also known as a service transformer, which reduces the voltage used in distribution lines to the level required by the customer. Distribution transformers are frequently located at service drops, which are the points where cables leave an underground power line or utility pole and enter a consumer's property. They are frequently employed to provide power to facilities outside of settlements that require voltages lower than 30 kV, such as remote homes, barnyards, or pumping stations.

Government Regulations Towards Renewable Energy and Increasing Demand of Electricity Is Propelling The Market

The demand for wet insulated power transformers is rising because of both their low

cost and the expanding number of residential and commercial uses for transformers. Wet insulating power transformer integration with smart grids and the installation of renewable energy grids with eco-friendly coolants are two research and development projects that could provide appealing market expansion possibilities.

These transformers are employed in circumstances where high voltage and minimal losses are crucial due to their exceptional efficiency. In comparison to dry power transformers, they provide better insulating and cooling capabilities, which advances the industry.

Smart grids can be accessed and monitored remotely, and they can swiftly adjust to changes in electricity usage. Additionally, they efficiently distribute cooling and power, which lowers carbon emissions. Throughout the anticipated period, the development of green transformers, high voltage transmission technologies, and strong governmental regulations aimed at lowering greenhouse gas emissions would all contribute to the expansion of the Europe Power and Distribution Transformer Market.

Distribution Transformer Expected to Dominate the Market

The ultimate voltage transformation in the electric power distribution system is provided by a distribution transformer, also known as a service transformer. The voltage applied in the distribution lines will then be stepped down to the level used by different clients in the residential, commercial, and industrial sectors. European nations including the United Kingdom, Germany, and France already have complete energy access. Currently, they are upgrading and expanding the current transmission and distribution system.

The amount of electricity produced in Europe in 2018 was around 5494.7 Terawatt-Hours (TWh), which was more than the total amount produced worldwide in 2017, which was 5443.5 TWh. The increase in energy production indicates a rise in the number of power plants, and these new distribution transformers are most likely being used to transmit electricity to consumers.

High Maintenance and Fluctuating Raw Material Cost

Power transformers are mostly made of steel, aluminum, and copper. Power transformer sales in low and middle-income nations will be capped due to an increase in the overall cost of these raw materials. Power transformers are more expensive than traditional power distribution systems because of fluctuations in the raw material supply

and pandemic-related disruptions in the distribution and supply networks. Another factor that is expected to restrain market expansion is the high cost of high-power transformer installation and maintenance compared to current power distribution systems. Prices for raw materials are expected to change.

Market Segmentation

The Europe Power & Distribution Transformer Market is segmented based on type, rating, end user, phase, Insulation, and country. Based on type, the market is segmented into power transformer and distribution transformer. Based on Rating, the market is segmented into upto 100 kVA, 100.1-500kVA, 500.1-1000kVA, 1000.1-5000kVA, 5.1-100MVA, 100.1-500MVA, Above 500MVA. Based on End User, the market is segmented into residential, commercial, industrial, and utility. Based on phase, the market is divided into single phase and three phase. Based on insulation, the market is divided into oil immersed & dry. Based on country, the market is divided into Germany, France, United Kingdom, Italy, and Spain.

Market player

Major players operating in the Europe Power & Distribution Transformer Market are ABB Ltd, Crompton Greaves Ltd, Hitachi Ltd, Mitsubishi Electric Corporation, General Electric Corporation, Siemens AG, Schneider Electric SE, TBEA Co., Ltd, Toshiba Corporation, Emerson Electric Co.

Report Scope:

In this report, Europe Power & Distribution Transformer Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Power & Distribution Transformer Market, By Type:

Power Transformer

Distribution Transformer

Power & Distribution Transformer Market, By Rating:

upto 100 kVA

100.1-500kVA

500.1-1000kVA

1000.1-5000kVA

5.1-100MVA

100.1-500MVA

Above 500MVA

Power & Distribution Transformer Market, By End User:

Residential

Commercial

Industrial

Utility

Power & Distribution Transformer Market, By Phase:

Single Phase

Three Phase

Power & Distribution Transformer Market, By Insulation

Oil Immersed

Dry

Power & Distribution Transformer Market, By Country:

Germany

France

United Kingdom

Italy

Spain

Rest of Europe

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Europe Power & Distribution Transformer Market

Available Customizations:

Europe Power & Distribution Transformer Market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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