

# Data Center Transformer Market Size, Share & Trends Analysis Report By Insulation (Liquid, Dry), By Region (North America, Europe, APAC, LATAM, MEA), And Segment Forecasts, 2020 - 2027

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## Abstracts

### Data Center Transformer Market Growth & Trends

The global data center transformer market size is anticipated to reach USD 9.20billion by 2027, expanding at a CAGR of 6.3%, according to a study conducted by Grand View Research, Inc. Rising number of data centers owing to increasing shift in technology and growing adoption of the cloud computing platform are fueling the market growth. There are various benefits associated with moving to the cloud, such as reduced capital expenditure, improving scalability and elasticity, and overall decreased operational costs.

An organization today needs large storage capacities and facilities to manage enormous data volumes, which is anticipated to be a primary factor driving the adoption of such centers globally. Moreover, large amount of data traffic and emergence of big data have increased the importance of secure data centers, thus driving the demand for transformers.

Transformers are essential components that are necessary to transform and distribute the electric power by increasing or decreasing the voltages based on the application and requirement. Data centers are equipped with electricity consuming equipment, such as chiller and generators. Integration of such components needs a balanced electricity supply. Presence of such components is expected to boost the growth of market.

Constant and maintained electric supply has to be ensured for the uninterrupted and

proper functioning of the data centers. With offerings of power distribution unit (PDU) with copper and aluminum transformers, companies are directing customers toward using transformers with lower K-factor to reduce the price of the PDUs. Additionally, some manufacturers are offering PDUs with multi-output transformers, i.e. the output voltage can be changed as per the customers' requirement. This flexibility offered is projected to have a positive impact on the market growth.

The liquid insulation type used in the transformers removes heat and ensures the efficient working of the data center. The liquid used ensures the dielectric strength of the insulator and provides better temperature control systems and highly reliable insulation. However, liquid insulation requires additional maintenance costs and has a threat of leakage. Thus, usage of liquid insulation might generate a risk of fire hazard, thus causing hindrance in the market growth. However, the usage of dry insulation does not pose any fire hazard and facilitates a safe working environment, which is expected to contribute to the growth of this market.

#### Data Center Transformer Market Report Highlights

Adoption of dry insulated transformers is anticipated to increase during the forecast period owing to their clean and safe operation as compared to the liquid type

North America led the market in 2019 with more than 35.0% share of the overall revenue. Asia Pacific is anticipated to expand at the fastest CAGR over the forecast period due to rising number of data centers in the region

Key market players have established partnerships with facility developers and principal contractors to maintain their market position and share.

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