

# **North America Power & Distribution Transformer Market -Segmented 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**

<https://marketpublishers.com/r/NB411B52D42BEN.html>

Date: October 2023

Pages: 130

Price: US\$ 4,400.00 (Single User License)

ID: NB411B52D42BEN

## **Abstracts**

The North America Power & Distribution Transformer Market is anticipated to grow robustly in the forecast period 2024-2028. The North American Power & Distribution Transformer Market is projected to be driven by elements like rising industrial energy consumption and modernizing ageing transmission and distribution networks.

A distribution transformer, often referred to as a service transformer, lowers the voltage used in distribution lines to the level utilized by the customer as the last voltage transformation in an electrical power distribution system. The location where cables exit an underground power line or utility pole and enter a customer's property is known as a service drop, and it is here that distribution transformers are often found. They are typically used to supply electricity to facilities outside of communities at voltages lower than 30 kV, such as isolated residences, farmyards, or pumping stations.

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

The growing number of residential and commercial uses for transformers as well as their low cost are driving up demand for wet insulated power transformers. Two research and development projects that might create attractive market expansion potential include the integration of wet insulating power transformers with smart grids and the installation of renewable energy grids with eco-friendly coolants.

Due to company's excellent efficiency, these transformers are used in situations where high voltage and low losses are essential factors. They offer higher insulation and cooling capabilities when compared to dry power transformers, which advances the sector.

Smart grids can quickly adapt to variations in electricity consumption and can be accessed and monitored remotely. They deliver power and cooling efficiently, which reduces carbon emissions. The growth of the North American power and transformer market would be aided by the development of green transformers, high voltage transmission technologies, and stringent government restrictions targeted at reducing greenhouse gas emissions throughout the projected period.

#### 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 distribution lines will then be stepped down to the level used by different clients in the residential, commercial, and industrial sectors.

The existing transmission and distribution system is being upgraded and expanded in North American nations including the United States and Canada. Due to the country's fast urbanization and industrialization, countries like Mexico are intending to expand their energy transmission and distribution systems.

North America produced around 5447.3 Terawatt-Hours (TWh) of power in 2018, which was more than the 5294.4 TWh it produced in 2017. The increase in energy production indicates a rise in the number of power plants, and these new distribution transformers are being used to transmit electricity to consumers.

#### High Maintenance and Fluctuating Raw Material Cost

Steel, aluminum, and copper are the main components used to make power transformers. Due to an increase in the overall cost of these raw materials, the sale of

power transformers will be restricted in low- and middle-income countries. Due to changes in the raw material supply and disruptions caused by pandemics in the distribution and supply networks, power transformers are more expensive than conventional power distribution systems. High-power transformer installation and maintenance expenses in comparison to present power distribution systems are anticipated to limit the market's growth. Raw material prices are predicted to fluctuate.

## Market Segmentation

The North America Power & Distribution Transformer Market is segmented based on type, rating, end user, and phase. Based on Type, the market is segmented into power transformer & 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.

## Market player

Major players operating in the North America 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, North America 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:

United States

Canada

Mexico

## Competitive Landscape

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

## Available Customizations:

North America 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).

## Contents

1. Product Overview
  - 1.1. Market Definition
  - 1.2. Scope of the Market
    - 1.2.1. Markets Covered
    - 1.2.2. Years Considered for Study
    - 1.2.3. Key Market Segmentations

## **2. RESEARCH METHODOLOGY**

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

## **3. IMPACT OF COVID-19 ON NORTH AMERICA POWER & DISTRIBUTION TRANSFORMER MARKET**

## **4. EXECUTIVE SUMMARY**

## **5. VOICE OF CUSTOMERS**

## **6. NORTH AMERICA POWER & DISTRIBUTION TRANSFORMER MARKET OUTLOOK**

- 6.1. North America Primary Energy Consumption Outlook
  - 6.1.1. North America Primary Energy Consumption (Exajoules)
  - 6.1.2. North America Primary Energy Consumption Per Capita (Gigajoule per capita)
  - 6.1.3. North America Primary Energy Consumption by Fuel (%)
- 6.2. Market Size & Forecast
  - 6.2.1. By Value
- 6.3. Market Share & Forecast

- 6.3.1. By Type (Power Transformer & Distribution Transformer)
- 6.3.2. By Rating (upto 100 kVA, 100.1-500kVA, 500.1-1000kVA, 1000.1-5000kVA, 5.1-100MVA, 100.1-500MVA, Above 500MVA)
- 6.3.3. By End User (Residential, Commercial, Industrial and Utility)
- 6.3.4. By Phase (Single Phase and Three Phase)
- 6.3.5. By Insulation (Oil Immersed & Dry)
- 6.3.6. By Country (United States, Canada, Mexico)
- 6.4. By Company
- 6.5. Market Map

## **7. UNITED STATES POWER & DISTRIBUTION TRANSFORMER MARKET OUTLOOK**

- 7.1. United States Primary Energy Consumption Outlook
  - 7.1.1. United States Primary Energy Consumption (Exajoules)
  - 7.1.2. United States Primary Energy Consumption Per Capita (Gigajoule per capita)
  - 7.1.3. United States Primary Energy Consumption by Fuel (%)
- 7.2. United States Economic Profile
- 7.3. Market Size & Forecast
  - 7.3.1. By Value
- 7.4. Market Share & Forecast
  - 7.4.1. By Type
  - 7.4.2. By Rating
  - 7.4.3. By End User
  - 7.4.4. By Phase
  - 7.4.5. By Insulation

## **8. CANADA POWER & DISTRIBUTION TRANSFORMER MARKET OUTLOOK**

- 8.1. Canada Primary Energy Consumption Outlook
  - 8.1.1. Canada Primary Energy Consumption (Exajoules)
  - 8.1.2. Canada Primary Energy Consumption Per Capita (Gigajoule per capita)
  - 8.1.3. Canada Primary Energy Consumption by Fuel (%)
- 8.2. Canada Economic Profile
- 8.3. Market Size & Forecast
  - 8.3.1. By Value
- 8.4. Market Share & Forecast
  - 8.4.1. By Type
  - 8.4.2. By Rating

- 8.4.3. By End User
- 8.4.4. By Phase
- 8.4.5. By Insulation

## **9. MEXICO POWER & DISTRIBUTION TRANSFORMER MARKET OUTLOOK**

- 9.1. Mexico Primary Energy Consumption Outlook
  - 9.1.1. Mexico Primary Energy Consumption (Exajoules)
  - 9.1.2. Mexico Primary Energy Consumption Per Capita (Gigajoule per capita)
  - 9.1.3. Mexico Primary Energy Consumption by Fuel (%)
- 9.2. Mexico Economic Profile
- 9.3. Market Size & Forecast
  - 9.3.1. By Value
- 9.4. Market Share & Forecast
  - 9.4.1. By Type
  - 9.4.2. By Rating
  - 9.4.3. By End User
  - 9.4.4. By Phase
  - 9.4.5. By Insulation

## **10. MARKET DYNAMICS**

- 10.1. Drivers
- 10.2. Challenges

## **11. MARKET TRENDS & DEVELOPMENTS**

## **12. POLICY & REGULATORY LANDSCAPE**

## **13. COMPANY PROFILES**

- 13.1. ABB Ltd.
  - 13.1.1. Business Overview
  - 13.1.2. Key Revenue and Financials
  - 13.1.3. Recent Developments
  - 13.1.4. Key Personnel
  - 13.1.5. Key Product/Services



- 13.2. Crompton Greaves Ltd.
  - 13.2.1. Business Overview
  - 13.2.2. Key Revenue and Financials
  - 13.2.3. Recent Developments
  - 13.2.4. Key Personnel
  - 13.2.5. Key Product/Services
- 13.3. Hitachi Ltd.
  - 13.3.1. Business Overview
  - 13.3.2. Key Revenue and Financials
  - 13.3.3. Recent Developments
  - 13.3.4. Key Personnel
  - 13.3.5. Key Product/Services
- 13.4. Mitsubishi Electric Corporation
  - 13.4.1. Business Overview
  - 13.4.2. Key Revenue and Financials
  - 13.4.3. Recent Developments
  - 13.4.4. Key Personnel
  - 13.4.5. Key Product/Services
- 13.5. General Electric Corporation
  - 13.5.1. Business Overview
  - 13.5.2. Key Revenue and Financials
  - 13.5.3. Recent Developments
  - 13.5.4. Key Personnel
  - 13.5.5. Key Product/Services
- 13.6. Siemens AG
  - 13.6.1. Business Overview
  - 13.6.2. Key Revenue and Financials
  - 13.6.3. Recent Developments
  - 13.6.4. Key Personnel
  - 13.6.5. Key Product/Services
- 13.7. Schneider Electric SE
  - 13.7.1. Business Overview
  - 13.7.2. Key Revenue and Financials
  - 13.7.3. Recent Developments
  - 13.7.4. Key Personnel
  - 13.7.5. Key Product/Services
- 13.8. TBEA Co., Ltd.
  - 13.8.1. Business Overview
  - 13.8.2. Key Revenue and Financials

13.8.3. Recent Developments

13.8.4. Key Personnel

13.8.5. Key Product/Services

13.9. Toshiba Corporation

13.9.1. Business Overview

13.9.2. Key Revenue and Financials

13.9.3. Recent Developments

13.9.4. Key Personnel

13.9.5. Key Product/Services

13.10. Emerson Electric Co.

13.10.1. Business Overview

13.10.2. Key Revenue and Financials

13.10.3. Recent Developments

13.10.4. Key Personnel

13.10.5. Key Product/Services

## **14. STRATEGIC RECOMMENDATIONS**

## **15. ABOUT US & DISCLAIMER**

## I would like to order

Product name: North America Power & Distribution Transformer Market -Segmented 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

Product link: <https://marketpublishers.com/r/NB411B52D42BEN.html>

Price: US\$ 4,400.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/NB411B52D42BEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms

& Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970