

U.S. Dry Type Transformer Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 to 2034

<https://marketpublishers.com/r/UEE168A194D1EN.html>

Date: November 2024

Pages: 80

Price: US\$ 4,850.00 (Single User License)

ID: UEE168A194D1EN

Abstracts

U.S. Dry Type Transformer Market, valued at USD 2.2 billion in 2024, is projected to grow at 7.8% CAGR from 2025 to 2034. These transformers are becoming increasingly popular due to their energy efficiency, cost-effectiveness, and environmentally friendly design. Unlike oil-filled transformers, dry-type models use air for cooling, reducing the environmental risks associated with oil. As sustainability becomes a focal point across industries, the demand for dry-type transformers is expected to rise.

Urban areas are a significant driver of this trend, with dry-type transformers favored for indoor commercial applications. Their safety advantages, including reduced fire risks, make them suitable for high-density environments where fire safety and ease of maintenance are essential. These transformers are well-suited for commercial settings and high-traffic locations where minimizing risks and ensuring reliable power distribution are crucial.

Dry-type transformers are also gaining traction in various industrial sectors, such as manufacturing, mining, and food processing. Their reliability and reduced maintenance requirements make them an attractive option for industries that demand consistent performance and minimal downtime. Advances in materials, particularly improvements in insulation and cooling systems, are enhancing their ability to handle higher loads and operate more efficiently. With innovations like resin and cast coil insulation, these transformers can operate at lower temperatures, leading to greater efficiency, longer service life, and higher reliability.

The industrial sector is expected to see a growth rate of 6.6% CAGR through 2034, driven by increasing industrial automation and the need for robust power distribution

systems. Dry-type transformers are becoming essential in automated plants, where they provide stable power to sensitive equipment like robotics and control systems. Their durability and minimal maintenance requirements make them ideal for demanding industrial environments.

As renewable energy adoption grows across industries, dry-type transformers are well-suited to manage the fluctuating power loads from sources like solar, wind, and biomass. These transformers are particularly popular in settings that rely on renewable energy, offering a reliable, low-maintenance solution for power distribution.

U.S. dry-type transformer market is expected to generate USD 1.9 billion by 2034. Their compact design and efficient performance make them ideal for urban and commercial spaces with limited space. These transformers are also favored for their innovative insulation components, such as epoxy resin, which help reduce energy losses and improve efficiency. Stricter energy regulations and a growing emphasis on greener electrical systems are expected to continue driving the demand for these energy-efficient transformers.

Contents

Report Content

CHAPTER 1 METHODOLOGY & SCOPE

- 1.1 Market definitions
- 1.2 Base estimates & calculations
- 1.3 Forecast calculation
- 1.4 Data sources
 - 1.4.1 Primary
 - 1.4.2 Secondary
 - 1.4.2.1 Paid
 - 1.4.2.2 Public

CHAPTER 2 INDUSTRY INSIGHTS

- 2.1 Industry ecosystem analysis
- 2.2 Regulatory landscape
- 2.3 Industry impact forces
 - 2.3.1 Growth drivers
 - 2.3.2 Industry pitfalls & challenges
- 2.4 Growth potential analysis
- 2.5 Porter's analysis
 - 2.5.1 Bargaining power of suppliers
 - 2.5.2 Bargaining power of buyers
 - 2.5.3 Threat of new entrants
 - 2.5.4 Threat of substitutes
- 2.6 PESTEL analysis

CHAPTER 3 COMPETITIVE LANDSCAPE, 2024

- 3.1 Strategic dashboard
- 3.2 Innovation & sustainability landscape

CHAPTER 4 MARKET SIZE AND FORECAST, BY CORE, 2021 – 2034 ('000 UNITS & USD MILLION)

- 4.1 Key trends

- 4.2 Closed
- 4.3 Shell
- 4.4 Berry

CHAPTER 5 MARKET SIZE AND FORECAST, BY TECHNOLOGY, 2021 – 2034 ('000 UNITS & USD MILLION)

- 5.1 Key trends
- 5.2 Self air
- 5.3 Air blast

CHAPTER 6 MARKET SIZE AND FORECAST, BY INSULATION, 2021 – 2034 ('000 UNITS & USD MILLION)

- 6.1 Key trends
- 6.2 Class R
- 6.3 Class H
- 6.4 Class F
- 6.5 Class B
- 6.6 Class A

CHAPTER 7 MARKET SIZE AND FORECAST, BY PRODUCT, 2021 – 2034 ('000 UNITS & USD MILLION)

- 7.1 Key trends
- 7.2 Open wound
- 7.3 Cast resin
- 7.4 Vacuum pressure impregnated
- 7.5 Vacuum pressure encapsulated

CHAPTER 8 MARKET SIZE AND FORECAST, BY WINDING, 2021 – 2034 ('000 UNITS & USD MILLION)

- 8.1 Key trends
- 8.2 Two winding
- 8.3 Auto transformer

CHAPTER 9 MARKET SIZE AND FORECAST, BY RATING, 2021 – 2034 ('000 UNITS & USD MILLION)

9.1 Key trends

9.2 ? 5 MVA

9.3 > 5 MVA to ? 30 MVA

9.4 > 30 MVA

CHAPTER 10 MARKET SIZE AND FORECAST, BY MOUNTING, 2021 – 2034 ('000 UNITS & USD MILLION)

10.1 Key trends

10.2 Pad

10.3 Pole

10.4 Others

CHAPTER 11 MARKET SIZE AND FORECAST, BY APPLICATION, 2021 – 2034 ('000 UNITS & USD MILLION)

11.1 Key trends

11.2 Industries

11.3 Inner-city substations

11.4 Indoor/underground substations

11.5 Renewable generation

11.6 Others

CHAPTER 12 COMPANY PROFILES

12.1 ABB

12.2 CG Power and Industrial Solutions

12.3 Eaton

12.4 Fuji Electric

12.5 General Electric

12.6 Hitachi Energy

12.7 Instrument Transformer Equipment Corporation

12.8 Raychem RPG

12.9 Schneider Electric

12.10 Siemens Energy

12.11 Toshiba Energy Systems and Solutions

12.12 WEG

I would like to order

Product name: U.S. Dry Type Transformer Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 to 2034

Product link: <https://marketpublishers.com/r/UEE168A194D1EN.html>

Price: US\$ 4,850.00 (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/UEE168A194D1EN.html>