



North American Electrical Distribution Equipment Rental Market with COVID-19 Impact

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The North American electrical distribution equipment rental market is mature and competitive with the presence of local, regional, and national market participants. The market has experienced moderate to steady growth during the last few years and has been affected by the COVID-19 pandemic during 2020. However, increasing urbanization and population growth, the recovery of the industrial activity, and aging power infrastructure are projected to drive the demand for electrical distribution equipment rental during the next seven years.

This study aims to provide a detailed analysis of the North American electrical distribution equipment rental market along with qualitative trending information for the year 2020.

The market numbers included in this report represent revenues generated by companies operating in the United States and Canadian electrical distribution equipment rental market. The base year for the study is 2020 and the forecast period is from 2020 until 2027.

This study captures the following information on the electrical distribution equipment rental market:

- Market Size, Growth Rate, Revenue Forecasts (2020-2027)
- Growth Drivers & Restraints
- Market Data
- Market Share Analysis
- Market Trends



Interviews with key Market participants: The research methodology adopted while creating this research involved conducting interviews with key market participants, enabling Verify Markets to identify various trends in the North American electrical distribution equipment rental market. Furthermore, discussions with industry participants enabled Verify Markets to provide a comprehensive country-level view of the overall market. Next, the information was validated through our internal databases and market experts. Later, the collected information was structured and collated into this report.



Macro-economic factors and industry parameters: Various country level parameters including the GDP, construction spending, oil & gas prices, and rental revenues, among others, were taken into consideration in our forecasting model. An in-depth analysis of such factors enabled Verify Markets to size and forecast the North American electrical distribution equipment rental market. As an added exercise, Verify Markets backs into market size estimates by counting dealerships and incorporating revenue assumptions based on proximity to metropolitan area.

Segmentation by Type of Equipment

+ Transformers

Rental transformers range from 5 kVA to 50,000+ kVA and are generally used in temporary power applications, load bank testing, acceptance testing, chillers, and air conditioning and heating. The main types are power transformers, distribution transformers, autotransformers, isolation transformers, instrument transformers, current transformers and potential transformers.

+ Switchgear

Electrical switchgear refers to a centralized collection of circuit breakers, fuses, and switches (circuit protection devices) that function to protect, control, and isolate electrical equipment. Switchgears provide centralized control and protection of low/medium voltage power equipment and circuits in industrial, commercial, and utility installations. Switchgears are generally rented for critical power applications.

+ Panelboards

The main components of a panelboard typically include the enclosure, interior, circuit protection devices, labels, deadfront and trim, and filler plates. They are often categorized by their general application, whether they are used for lighting and appliances or used for power. Rental panelboards generally range in size from 100 to 2,000 amps.

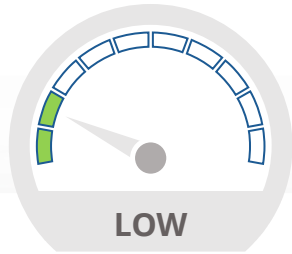
+ Switchboards

Switchboards are floor-mounted solutions for large-scale buildings or sites. The primary components of a switchboard include the frame, bus, overcurrent protective devices, instrumentation, enclosures, and exterior covers. Rental switchboards generally range in size from 200 to 3,000 amps.

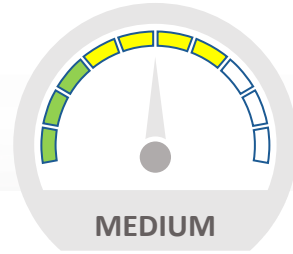
+ Other Distribution Equipment

Other distribution equipment includes cables, conduits, motor starters, and other small components.

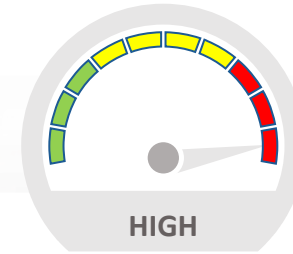
Segmentation by Voltage



Low voltage distribution equipment has a voltage lower than 600 VAC. Low voltage applications include construction sites, manufacturing facilities, commercial buildings, colleges, universities, and hospitals.



Medium voltage applications range from 600 VAC to 15,000 VAC. Medium voltage applications can be found in the oil & gas industry, data centers, pulp & paper, plastics & petrochemical industries, heavy manufacturing, and campus environments where loads are physically located far apart.



High voltage distribution equipment has a voltage higher than 15,000 VAC. High voltage applications are associated with supply transmission from the power plant. High voltage electrical distribution equipment is generally rented only during plant scheduled and unscheduled maintenance.



Oil & Gas – The oil & gas industry uses electrical distribution equipment in upstream, midstream, and downstream applications. Dry-type transformers are more common in the oil & gas segment where the demands for safety and reliability are particularly stringent.



Construction – Construction sites commonly use transformers that range from 2,500 kVA to 5,000 kVA. Distribution panels are also used to ensure the safe distribution of power. Other equipment used include fusible switches, cables, and circuit breakers.



Utility – Utilities rent backup transformers in case of planned or unplanned maintenance. Liquid filled transformers are used in the utility segment due to the necessity of higher outputs. Typically, the ratings range from 115kVA up to 60 MVA. A switchgear is also use at solar plants to supplement for redundancy and change outs.



Commercial – Includes office buildings, restaurants, resorts, offices, shopping malls, schools, healthcare centers, enterprise, and data centers. Data centers are heavily dependent on temporary power. Electrical distribution equipment, such as transformers and power distribution panels, form an integral part of their operation.



Industrial- Industrial end users are comprised of factories and manufacturing units such as semiconductors, pulp and paper, food processing units, marine, chemicals, petrochemicals, rubber, metals, and mining. Both dry-type and liquid filled transformers are typically used in manufacturing applications. Larger manufacturing plants use liquid filled transformers from 111kVA to 10MVA, while medium and smaller manufacturers use dry type transformers ranging between 16kVA – 4MVA.



Entertainment – Includes television broadcasts, movie productions, sporting events, concert touring, and major corporate events that often rely on temporary power distribution.



About Verify Markets

Verify Markets is a Research Firm specializing in Industrial, Environmental, Energy and Water markets. Our Research & Consulting practice provides global industry analysis, custom engagements, end user analysis, strategy consulting, strategic market intelligence, and forecasts that are designed to facilitate strategic decision-making. Our team of consultants, industry experts and analysts continually monitor and evaluate information to create insights for your business needs. We are comprised of a group of analysts that have been tracking their respective markets for a number of years.

Our goal is to help you reach yours.



METHODOLOGY

The methodology when formulating market trend projection is outlined below. Historical trends were determined through secondary research and Verify Markets in-house database.

- Secondary research was conducted. A list of key industry participants was put together.
- Telephonic interviews were conducted. Most of the leading participants across China were contacted.
- Bottom up methodology was used to calculate the market size.
- Market drivers and restraints were built into the forecasting model to estimate the revenue growth and market size figures.

METHODOLOGY

Profiles of Interviewees: Vice President, Marketing Manager, Business Development Manager, Brand Manager, CEO (for smaller companies).

Most of the primary interview data was captured through telephonic interviews. Pictures, company contacts, preliminary data was captured through secondary research. Images are derived from company websites and other web sources.

Despite Verify Markets' best efforts, certain challenges were encountered and certain assumptions had to be made. The extremely competitive nature of the electrical distribution equipment rental market often results in an increased reluctance on the part of several competitors to discuss their market position, future plans, or market trends. Verify Markets used its skills and experience to extract the relevant data in order to complete the analysis.



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Verify Markets is not responsible for any incorrect information supplied to us by companies during our primary research process.

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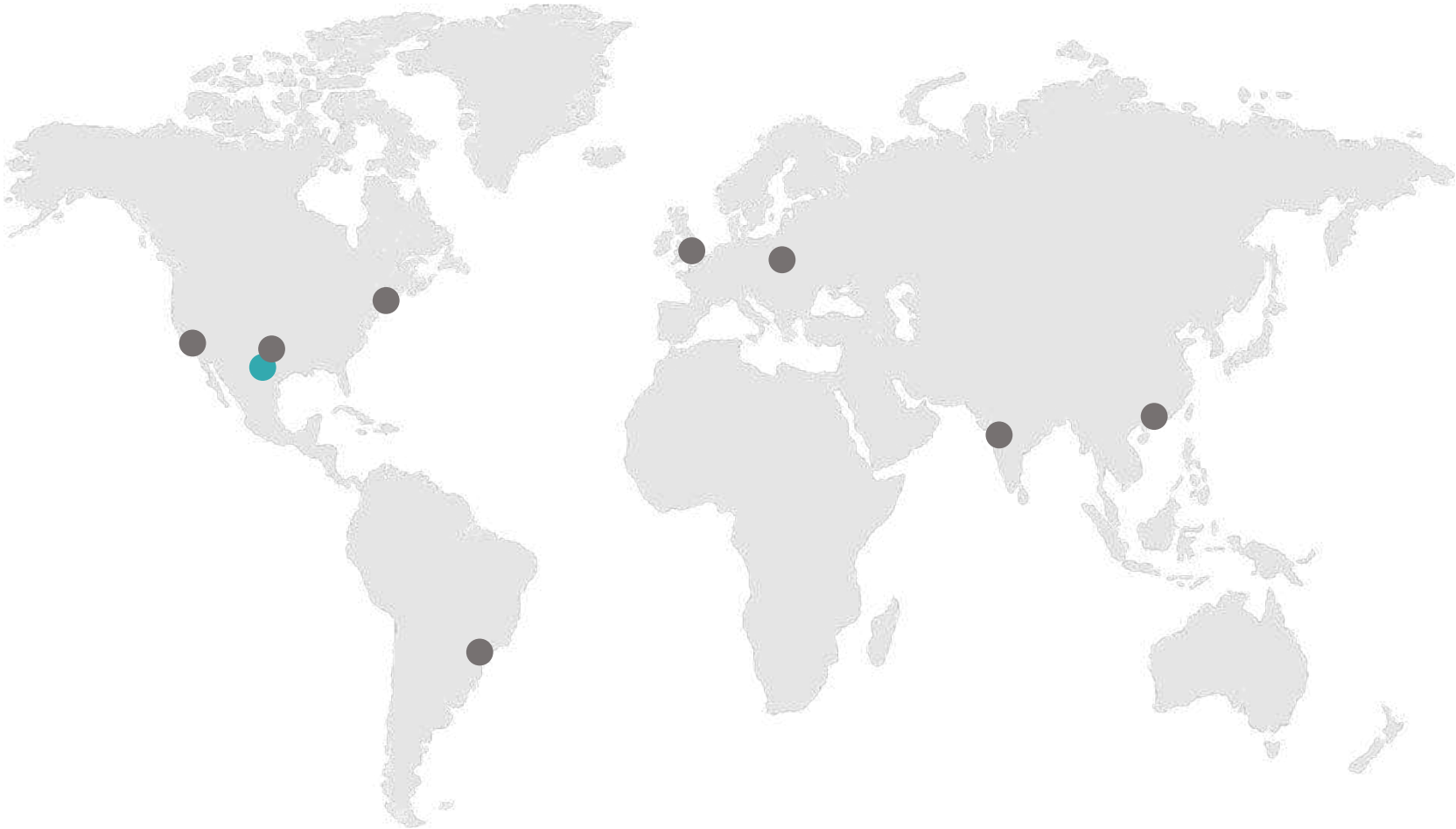
Capabilities

Market Coverage

Services

- Water & Wastewater Treatment
- Air Treatment
- Environmental Technologies
- Energy & Power Equipment
- Power Supplies & Batteries
- Oil & Gas
- Building Technologies & Efficiency
- Consumer Products
- Healthcare IT

- Competitive Intelligence
- Market Research
- Custom Consulting
- Strategic Planning
- White Papers
- Verified Leader Awards
- Claim Validation
- Strategy Workshops
- Customized Monthly Newsletters





**ANY QUESTIONS?
CONTACT US AND SET UP A TIME TO
SPEAK WITH OUR ANALYSTS.**



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