+357 96 030922
info@marketpublishers.com

Medium Voltage Electric Capacitor Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

https://marketpublishers.com/r/ME05E977518DEN.html
Date: August 2024
Pages: 146
Price: US$ 4,850.00 (Single User License)
ID: ME05E977518DEN

Abstracts

The Global Medium Voltage Electric Capacitor Market was valued at USD 7.3 billion in 2024 and is estimated to grow at a CAGR of 7.4% to reach USD 14.6 billion by 2034. This growth is fueled by continuous investments from both public and private sectors, along with the rapid expansion of renewable energy sources being integrated into the medium-voltage grid. However, the intermittent nature of renewable energy introduces challenges like voltage fluctuations and instability. Medium-voltage capacitors help mitigate these issues by providing reactive power support, stabilizing voltage levels, and improving overall power quality.

With aging power grids in need of modernization, utilities are investing heavily in upgrading infrastructure, including installing or replacing capacitor banks. These capacitors help reduce power losses, improve voltage regulation over vast areas, and prevent outages, all while enhancing service quality. The increasing electricity demand, particularly driven by industrialization and large-scale machinery, has further boosted the market. Additionally, as energy efficiency standards and grid performance regulations become more stringent, utilities are under pressure to minimize transmission losses and optimize their operations.

Ceramic capacitors held a 44% share in 2024, and they are expected to continue growing at a CAGR of 5% through 2034. These capacitors are primarily used in medium-voltage applications for high-frequency filtering, suppressing voltage spikes in snubber circuits, and sensing applications. Their ability to manage high voltages in compact forms makes them a go-to choice for various applications, though they are not suitable for high-energy storage and continuous power handling. The ongoing investments from both private and public sectors are driving the demand for ceramic capacitors,

+357 96 030922
info@marketpublishers.com

contributing to their increasing share in the market.

The non-polarized segment is expected to grow at a CAGR of 5.5% through 2034. These capacitors are indispensable in utility grids, industrial motors, and smart grid infrastructure due to their ability to operate with alternating current. The rise in global grid modernization and the integration of renewable energy sources are key drivers for the growth of the non-polarized capacitor market. Their durability, high voltage tolerance, and versatility across multiple applications have solidified their position as a reliable and essential component in medium voltage electric systems.

U.S. Medium Voltage Electric Capacitor Market held 74% share and generated USD 1 billion in 2024. The country is witnessing significant growth driven by large-scale investments in grid modernization projects, renewable energy integration, and the development of electric vehicle infrastructure. Technological advancements and strong domestic manufacturing capabilities have solidified the U.S. as a dominant player in the medium voltage electric capacitor market. Additionally, government policies promoting wind and solar energy have further fueled demand, as capacitors are crucial for stabilizing the grid against the fluctuations caused by renewable energy sources.

Some of the leading companies in the Medium Voltage Electric Capacitor Market include Schneider Electric, Siemens, Hitachi Energy Ltd, Cornell Dubilier, Panasonic Corporation, KEMET Corporation, and KYOCERA AVX Components Corporation, among others. Companies operating in the medium voltage electric capacitor market employ a variety of strategies to strengthen their presence. One key approach is ongoing innovation in capacitor technology, particularly in terms of enhancing performance, efficiency, and durability. To cater to the growing demand, companies are also expanding their product portfolios, with a focus on incorporating materials like ceramic and non-polarized capacitors that are suitable for high-frequency applications and industrial uses. Strategic partnerships with utilities, governments, and other infrastructure players are also critical in ensuring the integration of capacitors into grid modernization projects.

Comprehensive Market Analysis and Forecast

Industry trends, key growth drivers, challenges, future opportunities, and regulatory landscape

Competitive landscape with Porter’s Five Forces and PESTEL analysis

+357 96 030922
info@marketpublishers.com

Market size, segmentation, and regional forecasts

In-depth company profiles, business strategies, financial insights, and SWOT analysis

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

CHAPTER 7 MARKET SIZE AND FORECAST, BY END USE, 2021 - 2034 (THOUSAND UNITS, USD BILLION)

CHAPTER 8 MARKET SIZE AND FORECAST, BY REGION, 2021 - 2034 (THOUSAND UNITS, USD BILLION)

+357 96 030922
info@marketpublishers.com

CHAPTER 9 COMPANY PROFILES

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Medium Voltage Electric Capacitor Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

Product link: https://marketpublishers.com/r/ME05E977518DEN.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/ME05E977518DEN.html