

Global Hybrid Capacitor Market Size study & Forecast, by Product Type (Radial Type, Laminating Type), by Application (Power Generation, Transmission, Distribution, Others) and Regional Analysis, 2023-2030

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Abstracts

Global Hybrid Capacitor Market is valued at approximately USD xx billion in 2022 and is anticipated to grow with a healthy growth rate of more than xx% during the forecast period 2023-2030. Hybrid Capacitor refers to a type of capacitor that combines the characteristics of different capacitor technologies to achieve a balance of advantages. Capacitors are electronic components that store and release electrical energy in a circuit. Different capacitor types have their strengths and weaknesses in terms of parameters such as energy density, power density, and cycle life. The Hybrid Capacitor Market is expanding because of factors such as the rising demand for consumer electronics and the growing rate of industrialization. As a result, the demand for Hybrid Capacitors has progressively increased in the international market during the forecast period 2023-2030.

Consumer electronics often require high-energy density storage solutions and hybrid capacitors with combining features of electrolytic capacitors and Electric Double-Layer Capacitors (EDLCs), are designed to offer a balance between energy density and power density. This makes them suitable for meeting the energy storage demands of modern consumer electronic devices. According to Statista, the global consumer electronics market, in 2022, global revenue in the consumer electronics market accounts for USD 987.47 billion in 2022 estimated to reach up to USD 1153.05 billion by 2028. Hybrid capacitors find applications in power supply circuits where they can provide stable and reliable energy storage. They are commonly used in devices like laptops, cameras, and audio equipment to ensure consistent power delivery. Another

important factor that drives the Hybrid Capacitor Market is the increasing rate of industrialization. Industrialization often leads to a higher demand for energy storage solutions to support various processes and operations. Hybrid capacitors, with their combination of high energy density and power density, become attractive for applications where quick energy discharge and storage efficiency are essential. In addition, as per Statista, in 2020 the global manufacturing industry accounted for USD 12.17 trillion and is projected to reach up to USD 17.67 trillion by the year 2028. Moreover, technological advancements associated with hybrid capacitors and rising demand for energy-efficient vehicles are anticipated to create a lucrative growth opportunities for the market over the forecast period. However, the high cost associated with hybrid capacitors and limited energy density is going to impede overall market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Hybrid Capacitor Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. Asia Pacific dominated the market in 2022 owing to the increasing presence of major electronics manufacturers and the increasing rate of industrialization in the region. Major electronics manufacturers are continually seeking ways to enhance the performance of electronic devices. Hybrid capacitors, with their ability to provide a balance between energy density and power density, are well-suited for various applications, including consumer electronics, automotive electronics, and industrial equipment. As the demand for high-performance electronics increases, the market for hybrid capacitors also expands. The region's dominant performance is anticipated to propel the overall demand for Hybrid Capacitor. Furthermore, North America is expected to grow fastest over the forecast period, owing to factors such as growing demand for hybrid electric vehicles in the region. Hybrid capacitors are often more lightweight and space-efficient compared to traditional energy storage solutions. This is particularly crucial in the automotive industry where reducing weight and optimizing space are essential for improving fuel efficiency and performance. The compact nature of hybrid capacitors makes them suitable for integration into the limited space of a vehicle.

Major market player included in this report are:

EVE Energy Co., Ltd

LICAP Technologies, Inc.

Yunasko Ltd.

KEMET Corporation

JTEKT Corporation

Electro Standards Laboratories

Socomec Group

Taiyo Yuden Co., Ltd

Vishay Intertechnology, Inc.

Spel Technologies Private Ltd

Recent Developments in the Market:

In August 2023, EVE Energy Co. Ltd, a lithium battery manufacturer has established its new manufacturing plant in Kulim, Kedah, Malaysia. The new facility has an initial investment of USD 422 million and specialises in the production of cylindrical lithium-ion batteries to support power tools and electric two-wheeler manufacturing in the country and throughout Southeast Asia.

Global Hybrid Capacitor Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Product Type, Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product Type

Radial Type

Laminating Type

By Application

Power Generation

Transmission

Distribution

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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