+357 96 030922
info@marketpublishers.com

Global EV Film Capacitors Market Research Report 2024(Status and Outlook)

https://marketpublishers.com/r/G337717FDD69EN.html
Date: November 2024
Pages: 134
Price: US$ 3,200.00 (Single User License)
ID: G337717FDD69EN

Abstracts

Report Overview

Film capacitors are also called Plastic Film capacitors. The plastic film is used as the dielectric. Thin film capacitors are capacitors with metal foil as electrode and plastic film such as polyethyl ester, polypropylene, polystyrene or polycarbonate, which are overlapped from two ends and wound into a cylindrical structure. And according to the type of plastic film is respectively called polyethyl ester capacitor (also known as Mylar capacitor), polypropylene capacitor (also known as PP capacitor), polystyrene capacitor (also known as PS capacitor) and polycarbonate capacitor. Global film capacitor and prepreg main manufacturers include Panasonic, Yageo, Xiamen Faratronic, Nichicon, etc., totally accounting for about 45%.

Today, countries around the world pose stricter environmental regulations, forcing automobile manufacturers to shift their focus onto production of environmentally-friendly vehicles. This new trend has led to a demand for the increased capacities of batteries in EVs, which are the key to achieve EVs with traveling performance as high as that of gas vehicles, and batteries with larger capacities need EV chargers (on-board chargers) with higher power output. Based on these requirements, the film capacitor featuring large current handling, high reliability, and high safety, which contributing to high-power OBC production and safety improvement.

The global EV Film Capacitors market size is projected to reach US$ 1596.08 Million by 2028, from US$ 342.24 million in 2021, at a CAGR of 21.59% during 2022-2028. The increasingly significant advantages of film capacitors in electric vehicles and the explosion of electric vehicle sales are the most important driving forces for the development of the EV film capacitor market. Film capacitors are widely used in new

+357 96 030922
info@marketpublishers.com

energy vehicles and charging piles. Film capacitors have the advantages of non-polarity, wide frequency response, good stability, strong anti-pulse ability, high voltage resistance, etc. At the same time, the emergence of metallized film and metal separation technology on the film makes the volume of film capacitors smaller and smaller, and the cost is also lower. Instead of aluminum electrolytic capacitors, film capacitors have become the first choice for new energy vehicle branch circuit matching capacitors. At present, film capacitors are mainly used as DC link (DC-Link) capacitors in automotive drive systems and DC/DC converters inside OBC, and as IGBT absorption protection capacitors in motor controllers. After smoothing and filtering by film capacitors, the current output to the rear stage of the circuit is more stable, which provides a guarantee for the overall stability and performance of the device.

In addition, the continuous increase of electric vehicle support policies and the rapid development of new energy vehicle-related industries have also played an important role in promoting the development of the EV film capacitor market. But EV Film Capacitor Market is also currently facing the impact of many unfavorable factors such as chip shortage, COVID-19, energy crisis, Russia-Ukraine war and so on.

Segment by Type, the EV Film Capacitors can be split into AC Film Capacitors, DC Film Capacitors, etc. In 2021, although the sales of AC Film Capacitors have accounted for the majority of the market, reaching 83.77%, the market size of DC Film Capacitors Has occupied the main 69.83% market share. During the forecast period of 2022-2028, we estimate that both the volume and market share of DC Film Capacitors will grow at a higher rate, reaching a CAGR of 33.65% and 23.45%, respectively.

In terms of application scenarios, EV film capacitors are mainly used in BEVs and PHEVs. In 2021, the market share of BEV and PHEV will be 64.51% and 35.49%, respectively. BEV's current use of film capacitors has created a major market for EV film capacitors. During the forecast period, BEV and PHEV will grow rapidly at a CAGR of 21.69% and 21.40%, respectively.

On basis of geography, the EV Film Capacitors market is segmented into North America, Europe, Asia-Pacific, South America, Middle East and Africa, etc. Among all regions, Europe and Asia-Pacific have become the most important for EV film capacitors market. In 2021, the market shares of Europe and Asia-Pacific markets will be 38.57% and 46.43% respectively, which together have occupied more than 80% of the entire market size. In addition, due to the rapid development of the domestic electric vehicle industry, China has become the world's largest electric vehicle market. Correspondingly, China also dominates the global EV Film Capacitors market, with a

+357 96 030922
info@marketpublishers.com

market share of 40.20% in 2021.

At present, the global EV Film Capacitors market is in a relatively concentrated state. In 2021, the global EV film capacitor manufacturers market concentration-related ratios CR5 and HHI reached 80.29% and 19.18%, respectively, at a relatively high level, but slightly lower than the 2020 value. We predict that in 2022, with the fierce competition in the industry, the overall market concentration will drop significantly. The key players in the global EV Film Capacitors market include Panasonic, Xiamen Faratronic, Yageo(KEMET), Nichicon, TDK Electronics AG, Shenzhen Jiamingxing Capacitor, Anhui Tongfeng Electronics, AVX Corporation, Vishay, Shanghai Eagtop Electronic Technology, Guangdong Fengming Electronic Technology and Nantong Jianghai Capacitor.

This report provides a deep insight into the global EV Film Capacitors market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global EV Film Capacitors Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the EV Film Capacitors market in any manner.

Global EV Film Capacitors Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

+357 96 030922
info@marketpublishers.com

Key Company

Panasonic

Xiamen Faratronic

Yageo(KEMET)

Nichicon

TDK Electronics AG

Shenzhen Jiamingxing Capacitor

Anhui Tongfeng Electronics

AVX Corporation

Vishay

Shanghai Eagtop Electronic Technology

Guangdong Fengming Electronic Technology

Nantong Jianghai Capacitor

Market Segmentation (by Type)

AC

DC

Market Segmentation (by Application)

BEV

PHEV

+357 96 030922
info@marketpublishers.com

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the EV Film Capacitors Market

Overview of the regional outlook of the EV Film Capacitors Market:

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

+357 96 030922
info@marketpublishers.com

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter’s five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

+357 96 030922
info@marketpublishers.com

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the EV Film Capacitors Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future

+357 96 030922
info@marketpublishers.com

development prospects, market space, and capacity of each country in the world.

Chapter 9 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development potential of each market segment (product type and application) in the next five years.

Chapter 12 is the main points and conclusions of the report.

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

9 EV FILM CAPACITORS MARKET PRODUCTION BY REGION

+357 96 030922
info@marketpublishers.com

10 KEY COMPANIES PROFILE

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

13 CONCLUSION AND KEY FINDINGS

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global EV Film Capacitors Market Research Report 2024(Status and Outlook)

Product link: https://marketpublishers.com/r/G337717FDD69EN.html

Price: US$ 3,200.00 (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/G337717FDD69EN.html