

Global DC-Link Metallized Film Capacitor Market Growth 2026-2032

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Abstracts

The global DC-Link Metallized Film Capacitor market size is predicted to grow from US\$ 1233 million in 2025 to US\$ 2619 million in 2032; it is expected to grow at a CAGR of 11.4% from 2026 to 2032.

DC-Link Metallized Film Capacitor is a power film capacitor designed for DC-link circuits in high-power electronic systems, utilizing metallized film dielectric structures to stabilize DC bus voltage, absorb ripple current, suppress voltage fluctuations, and improve energy conversion efficiency under high-voltage operating conditions. Compared with conventional capacitors, it offers advantages in capacitance stability, low dielectric loss, high ripple current endurance, and long operational lifetime, making it suitable for demanding power conversion applications. Its advantages include high capacitance density, strong ripple current capability, low loss, long service life, and reliable operation under high-voltage conditions. In 2025, production was approximately 35 million units and the average price was USD 36 per unit. The industry's capacity utilization rate in 2025 was about 80% and the average gross margin was around 26%. Upstream, the core inputs include polypropylene base film, especially BOPP film, and aluminum metallized coating materials, with representative suppliers including Toray Industries, Toyobo, Bollor?, Steinerfilm, Anhui Tongfeng Electronics, Xiamen Faratronic, and Chalco providing key film and metal material support. The midstream segment focuses on film metallization, precision winding, thermal pressing, spraying, encapsulation, aging, high-voltage testing, and reliability validation, which determine capacitance stability, ripple current endurance, insulation strength, and long-term operating reliability. Downstream, DC-Link Metallized Film Capacitor is mainly used in automotive, photovoltaic systems, and wind power applications, with representative customers including Tesla, Toyota, Volkswagen, BYD, Sungrow, Huawei, SMA Solar Technology, SolarEdge Technologies, Vestas, Siemens Gamesa, and Goldwind.

DC-Link Metallized Film Capacitor will see broader use as electric vehicles, photovoltaic inverters, and wind power converters demand more stable DC bus performance and higher ripple current endurance. In high-power conversion systems, it supports voltage smoothing, transient energy absorption, and reliable operation under frequent load changes. Future development will be driven by high-voltage vehicle platforms, utility-scale solar installations, offshore wind systems, and compact power electronics, with product upgrades focusing on higher capacitance density, lower loss, heat resistance, and long-term capacitance stability.

LP Information, Inc. (LPI) ' newest research report, the "DC-Link Metallized Film Capacitor Industry Forecast" looks at past sales and reviews total world DC-Link Metallized Film Capacitor sales in 2025, providing a comprehensive analysis by region and market sector of projected DC-Link Metallized Film Capacitor sales for 2026 through 2032. With DC-Link Metallized Film Capacitor sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world DC-Link Metallized Film Capacitor industry.

This Insight Report provides a comprehensive analysis of the global DC-Link Metallized Film Capacitor landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on DC-Link Metallized Film Capacitor portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global DC-Link Metallized Film Capacitor market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for DC-Link Metallized Film Capacitor and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global DC-Link Metallized Film Capacitor.

This report presents a comprehensive overview, market shares, and growth opportunities of DC-Link Metallized Film Capacitor market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

?650VDC

650VDC-850VDC

Others

Segmentation by Capacitance Range:

Capacitance

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global DC-Link Metallized Film Capacitor Annual Sales 2021-2032
 - 2.1.2 World Current & Future Analysis for DC-Link Metallized Film Capacitor by Geographic Region, 2021, 2025 & 2032
 - 2.1.3 World Current & Future Analysis for DC-Link Metallized Film Capacitor by Country/Region, 2021, 2025 & 2032
- 2.2 DC-Link Metallized Film Capacitor Segment by Type
 - 2.2.1 >650VDC
 - 2.2.2 650VDC-850VDC
 - 2.2.3 Others
 - 2.2.4 DC-Link Metallized Film Capacitor Sales by Type
 - 2.2.4.1 Global DC-Link Metallized Film Capacitor Sales Market Share by Type (2021-2026)
 - 2.2.4.2 Global DC-Link Metallized Film Capacitor Revenue and Market Share by Type (2021-2026)
 - 2.2.4.3 Global DC-Link Metallized Film Capacitor Sale Price by Type (2021-2026)
- 2.3 DC-Link Metallized Film Capacitor Segment by Capacitance Range
 - 2.3.1 Capacitance

List Of Tables

LIST OF TABLES

Table 1. DC-Link Metallized Film Capacitor Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. DC-Link Metallized Film Capacitor Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of <650VDC

Table 4. Major Players of 650VDC-850VDC

Table 5. Major Players of Others

Table 6. Global DC-Link Metallized Film Capacitor Sales by Type (2021-2026) & (K Units)

Table 7. Global DC-Link Metallized Film Capacitor Sales Market Share by Type (2021-2026)

Table 8. Global DC-Link Metallized Film Capacitor Revenue by Type (2021-2026) & (\$ million)

Table 9. Global DC-Link Metallized Film Capacitor Revenue Market Share by Type (2021-2026)

Table 10. Global DC-Link Metallized Film Capacitor Sale Price by Type (2021-2026) & (US\$/Unit)

Table 11. Major Players of Capacitance

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of DC-Link Metallized Film Capacitor
- Figure 2. DC-Link Metallized Film Capacitor Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global DC-Link Metallized Film Capacitor Sales Growth Rate 2021-2032 (K Units)
- Figure 7. Global DC-Link Metallized Film Capacitor Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. DC-Link Metallized Film Capacitor Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. DC-Link Metallized Film Capacitor Sales Market Share by Country/Region (2025)
- Figure 10. DC-Link Metallized Film Capacitor Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of ?650VDC
- Figure 12. Product Picture of 650VDC-850VDC
- Figure 13. Product Picture of Others
- Figure 14. Global DC-Link Metallized Film Capacitor Sales Market Share by Type in 2026
- Figure 15. Global DC-Link Metallized Film Capacitor Revenue Market Share by Type (2021-2026)
- Figure 16. Product Picture of Capacitance

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