+357 96 030922
info@marketpublishers.com

Global GaN Power Discrete Device Market Growth 2025-2031

https://marketpublishers.com/r/GF25C994315BEN.html
Date: June 2026
Pages: 200
Price: US$ 3,660.00 (Single User License)
ID: GF25C994315BEN

Abstracts

The global GaN Power Discrete Device market size is predicted to grow from US$ 213 million in 2025 to US$ 549 million in 2031; it is expected to grow at a CAGR of 17.1% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

GaN power discrete devices have excellent physical characteristics such as low conduction loss and high current density, which can significantly reduce the power loss and cooling load of the communication system and greatly reduce the operating cost. It has been widely used in microwave integrated circuits, high voltage and high power fields. Gallium nitride high power semiconductor devices also began to be used in inverter, voltage regulator, transformer, wireless charging and other fields.

650V is preferred for AC-DC conversion in power supply applications, and the penetration rate in the consumer and datacom/telecom applications is expected to increase. The low voltage ratings – under 200V – are preferred for high-end and high-performance LIDAR, motor drive, and DC-DC applications, such as in electric vehicles, datacom, telecom, and Aerospace. Under 200V, GaN faces stronger competition with Si devices in terms of price. Key advantage is tohave low losses which is achieved with WLSCP, as of 2023, only EPC and Innoscience offer this packaging. The entry of more players and ASP decrease will benefit to higher growth for low voltage Power GaN market.

LP Information, Inc. (LPI) ' newest research report, the “GaN Power Discrete Device

+357 96 030922
info@marketpublishers.com

Industry Forecast" looks at past sales and reviews total world GaN Power Discrete Device sales in 2024, providing a comprehensive analysis by region and market sector of projected GaN Power Discrete Device sales for 2025 through 2031. With GaN Power Discrete Device sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world GaN Power Discrete Device industry.

This Insight Report provides a comprehensive analysis of the global GaN Power Discrete Device 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 GaN Power Discrete Device portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global GaN Power Discrete Device market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for GaN Power Discrete Device 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 GaN Power Discrete Device.

This report presents a comprehensive overview, market shares, and growth opportunities of GaN Power Discrete Device market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

GaN Power >600V

GaN Power

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global GaN Power Discrete Device Market Growth 2025-2031
Product link: https://marketpublishers.com/r/GF25C994315BEN.html
Price: US$ 3,660.00 (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/GF25C994315BEN.html