

Global GaN AC-DC Converter Market Research Report 2025(Status and Outlook)

<https://marketpublishers.com/r/GE9852BA163CEN.html>

Date: July 2025

Pages: 147

Price: US\$ 3,200.00 (Single User License)

ID: GE9852BA163CEN

Abstracts

Report Overview

The GaN AC-DC Converter is a power conversion device that utilizes Gallium Nitride (GaN) technology to efficiently convert alternating current (AC) from the power grid into direct current (DC) for use in electronic devices. This advanced converter is known for its high efficiency, compact size, and ability to handle high power densities. It typically features a GaN-based power stage, which enables it to operate at higher switching frequencies with lower power losses compared to traditional silicon-based converters. The GaN AC-DC Converter is designed to meet various safety and performance standards, ensuring reliability and longevity in applications such as telecommunications, computing, industrial equipment, and consumer electronics. Its high efficiency not only reduces energy consumption but also contributes to thermal management, making it an environmentally friendly choice for power conversion needs.

This report provides a deep insight into the global GaN AC-DC Converter 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 GaN AC-DC Converter 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 GaN AC-DC Converter market in any manner.

Global GaN AC-DC Converter 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.

Key Company

Panasonic
GaN System
RECOM Power
Renesas Electronics
Infineon
Power Integrations
Epc-CO
STMicroelectronics
CUI Inc
Dongke Semiconductor
TE Connectivity
Navitas Semiconductor

Market Segmentation (by Type)

High Voltage
Low Voltage

Market Segmentation (by Application)

Power Adapter
Electric Vehicle Charger
Industrial Power Supply
Medical Equipment
Other

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 GaN AC-DC Converter Market

Overview of the regional outlook of the GaN AC-DC Converter Market:

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 GaN AC-DC Converter 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 development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of GaN AC-DC Converter, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 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 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

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

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 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

Customization of the Report

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Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

- 1.1 Market Definition and Statistical Scope of GaN AC-DC Converter
- 1.2 Key Market Segments
 - 1.2.1 GaN AC-DC Converter Segment by Type
 - 1.2.2 GaN AC-DC Converter Segment by Application
- 1.3 Methodology & Sources of Information
 - 1.3.1 Research Methodology
 - 1.3.2 Research Process
 - 1.3.3 Market Breakdown and Data Triangulation
 - 1.3.4 Base Year
 - 1.3.5 Report Assumptions & Caveats

2 GAN AC-DC CONVERTER MARKET OVERVIEW

- 2.1 Global Market Overview
 - 2.1.1 Global GaN AC-DC Converter Market Size (M USD) Estimates and Forecasts (2020-2033)
 - 2.1.2 Global GaN AC-DC Converter Sales Estimates and Forecasts (2020-2033)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

3 GAN AC-DC CONVERTER MARKET COMPETITIVE LANDSCAPE

- 3.1 Company Assessment Quadrant
- 3.2 Global GaN AC-DC Converter Product Life Cycle
- 3.3 Global GaN AC-DC Converter Sales by Manufacturers (2020-2025)
- 3.4 Global GaN AC-DC Converter Revenue Market Share by Manufacturers (2020-2025)
- 3.5 GaN AC-DC Converter Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.6 Global GaN AC-DC Converter Average Price by Manufacturers (2020-2025)
- 3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types
- 3.8 GaN AC-DC Converter Market Competitive Situation and Trends
 - 3.8.1 GaN AC-DC Converter Market Concentration Rate
 - 3.8.2 Global 5 and 10 Largest GaN AC-DC Converter Players Market Share by Revenue
 - 3.8.3 Mergers & Acquisitions, Expansion

4 GAN AC-DC CONVERTER INDUSTRY CHAIN ANALYSIS

- 4.1 GaN AC-DC Converter Industry Chain Analysis
- 4.2 Market Overview of Key Raw Materials
- 4.3 Midstream Market Analysis
- 4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF GAN AC-DC CONVERTER MARKET

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Industry News
 - 5.4.1 New Product Developments
 - 5.4.2 Mergers & Acquisitions
 - 5.4.3 Expansions
 - 5.4.4 Collaboration/Supply Contracts
- 5.5 PEST Analysis
 - 5.5.1 Industry Policies Analysis
 - 5.5.2 Economic Environment Analysis
 - 5.5.3 Social Environment Analysis
 - 5.5.4 Technological Environment Analysis
- 5.6 Global GaN AC-DC Converter Market Porter's Five Forces Analysis
 - 5.6.1 Global Trade Frictions
 - 5.6.2 U.S. Tariff Policy ? April 2025
 - 5.6.3 Global Trade Frictions and Their Impacts to GaN AC-DC Converter Market
- 5.7 ESG Ratings of Leading Companies

6 GAN AC-DC CONVERTER MARKET SEGMENTATION BY TYPE

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global GaN AC-DC Converter Sales Market Share by Type (2020-2025)
- 6.3 Global GaN AC-DC Converter Market Size Market Share by Type (2020-2025)
- 6.4 Global GaN AC-DC Converter Price by Type (2020-2025)

7 GAN AC-DC CONVERTER MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)

- 7.2 Global GaN AC-DC Converter Market Sales by Application (2020-2025)
- 7.3 Global GaN AC-DC Converter Market Size (M USD) by Application (2020-2025)
- 7.4 Global GaN AC-DC Converter Sales Growth Rate by Application (2020-2025)

8 GAN AC-DC CONVERTER MARKET SALES BY REGION

- 8.1 Global GaN AC-DC Converter Sales by Region
 - 8.1.1 Global GaN AC-DC Converter Sales by Region
 - 8.1.2 Global GaN AC-DC Converter Sales Market Share by Region
- 8.2 Global GaN AC-DC Converter Market Size by Region
 - 8.2.1 Global GaN AC-DC Converter Market Size by Region
 - 8.2.2 Global GaN AC-DC Converter Market Size Market Share by Region
- 8.3 North America
 - 8.3.1 North America GaN AC-DC Converter Sales by Country
 - 8.3.2 North America GaN AC-DC Converter Market Size by Country
 - 8.3.3 U.S. Market Overview
 - 8.3.4 Canada Market Overview
 - 8.3.5 Mexico Market Overview
- 8.4 Europe
 - 8.4.1 Europe GaN AC-DC Converter Sales by Country
 - 8.4.2 Europe GaN AC-DC Converter Market Size by Country
 - 8.4.3 Germany Market Overview
 - 8.4.4 France Market Overview
 - 8.4.5 U.K. Market Overview
 - 8.4.6 Italy Market Overview
 - 8.4.7 Spain Market Overview
- 8.5 Asia Pacific
 - 8.5.1 Asia Pacific GaN AC-DC Converter Sales by Region
 - 8.5.2 Asia Pacific GaN AC-DC Converter Market Size by Region
 - 8.5.3 China Market Overview
 - 8.5.4 Japan Market Overview
 - 8.5.5 South Korea Market Overview
 - 8.5.6 India Market Overview
 - 8.5.7 Southeast Asia Market Overview
- 8.6 South America
 - 8.6.1 South America GaN AC-DC Converter Sales by Country
 - 8.6.2 South America GaN AC-DC Converter Market Size by Country
 - 8.6.3 Brazil Market Overview
 - 8.6.4 Argentina Market Overview

- 8.6.5 Columbia Market Overview
- 8.7 Middle East and Africa
 - 8.7.1 Middle East and Africa GaN AC-DC Converter Sales by Region
 - 8.7.2 Middle East and Africa GaN AC-DC Converter Market Size by Region
 - 8.7.3 Saudi Arabia Market Overview
 - 8.7.4 UAE Market Overview
 - 8.7.5 Egypt Market Overview
 - 8.7.6 Nigeria Market Overview
 - 8.7.7 South Africa Market Overview

9 GAN AC-DC CONVERTER MARKET PRODUCTION BY REGION

- 9.1 Global Production of GaN AC-DC Converter by Region(2020-2025)
- 9.2 Global GaN AC-DC Converter Revenue Market Share by Region (2020-2025)
- 9.3 Global GaN AC-DC Converter Production, Revenue, Price and Gross Margin (2020-2025)
- 9.4 North America GaN AC-DC Converter Production
 - 9.4.1 North America GaN AC-DC Converter Production Growth Rate (2020-2025)
 - 9.4.2 North America GaN AC-DC Converter Production, Revenue, Price and Gross Margin (2020-2025)
- 9.5 Europe GaN AC-DC Converter Production
 - 9.5.1 Europe GaN AC-DC Converter Production Growth Rate (2020-2025)
 - 9.5.2 Europe GaN AC-DC Converter Production, Revenue, Price and Gross Margin (2020-2025)
- 9.6 Japan GaN AC-DC Converter Production (2020-2025)
 - 9.6.1 Japan GaN AC-DC Converter Production Growth Rate (2020-2025)
 - 9.6.2 Japan GaN AC-DC Converter Production, Revenue, Price and Gross Margin (2020-2025)
- 9.7 China GaN AC-DC Converter Production (2020-2025)
 - 9.7.1 China GaN AC-DC Converter Production Growth Rate (2020-2025)
 - 9.7.2 China GaN AC-DC Converter Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

- 10.1 Panasonic
 - 10.1.1 Panasonic Basic Information
 - 10.1.2 Panasonic GaN AC-DC Converter Product Overview
 - 10.1.3 Panasonic GaN AC-DC Converter Product Market Performance

- 10.1.4 Panasonic Business Overview
- 10.1.5 Panasonic SWOT Analysis
- 10.1.6 Panasonic Recent Developments
- 10.2 GaN System
 - 10.2.1 GaN System Basic Information
 - 10.2.2 GaN System GaN AC-DC Converter Product Overview
 - 10.2.3 GaN System GaN AC-DC Converter Product Market Performance
 - 10.2.4 GaN System Business Overview
 - 10.2.5 GaN System SWOT Analysis
 - 10.2.6 GaN System Recent Developments
- 10.3 RECOM Power
 - 10.3.1 RECOM Power Basic Information
 - 10.3.2 RECOM Power GaN AC-DC Converter Product Overview
 - 10.3.3 RECOM Power GaN AC-DC Converter Product Market Performance
 - 10.3.4 RECOM Power Business Overview
 - 10.3.5 RECOM Power SWOT Analysis
 - 10.3.6 RECOM Power Recent Developments
- 10.4 Renesas Electronics
 - 10.4.1 Renesas Electronics Basic Information
 - 10.4.2 Renesas Electronics GaN AC-DC Converter Product Overview
 - 10.4.3 Renesas Electronics GaN AC-DC Converter Product Market Performance
 - 10.4.4 Renesas Electronics Business Overview
 - 10.4.5 Renesas Electronics Recent Developments
- 10.5 Infineon
 - 10.5.1 Infineon Basic Information
 - 10.5.2 Infineon GaN AC-DC Converter Product Overview
 - 10.5.3 Infineon GaN AC-DC Converter Product Market Performance
 - 10.5.4 Infineon Business Overview
 - 10.5.5 Infineon Recent Developments
- 10.6 Power Integrations
 - 10.6.1 Power Integrations Basic Information
 - 10.6.2 Power Integrations GaN AC-DC Converter Product Overview
 - 10.6.3 Power Integrations GaN AC-DC Converter Product Market Performance
 - 10.6.4 Power Integrations Business Overview
 - 10.6.5 Power Integrations Recent Developments
- 10.7 Epc-CO
 - 10.7.1 Epc-CO Basic Information
 - 10.7.2 Epc-CO GaN AC-DC Converter Product Overview
 - 10.7.3 Epc-CO GaN AC-DC Converter Product Market Performance

- 10.7.4 Epc-CO Business Overview
- 10.7.5 Epc-CO Recent Developments
- 10.8 STMicroelectronics
 - 10.8.1 STMicroelectronics Basic Information
 - 10.8.2 STMicroelectronics GaN AC-DC Converter Product Overview
 - 10.8.3 STMicroelectronics GaN AC-DC Converter Product Market Performance
 - 10.8.4 STMicroelectronics Business Overview
 - 10.8.5 STMicroelectronics Recent Developments
- 10.9 CUI Inc
 - 10.9.1 CUI Inc Basic Information
 - 10.9.2 CUI Inc GaN AC-DC Converter Product Overview
 - 10.9.3 CUI Inc GaN AC-DC Converter Product Market Performance
 - 10.9.4 CUI Inc Business Overview
 - 10.9.5 CUI Inc Recent Developments
- 10.10 Dongke Semiconductor
 - 10.10.1 Dongke Semiconductor Basic Information
 - 10.10.2 Dongke Semiconductor GaN AC-DC Converter Product Overview
 - 10.10.3 Dongke Semiconductor GaN AC-DC Converter Product Market Performance
 - 10.10.4 Dongke Semiconductor Business Overview
 - 10.10.5 Dongke Semiconductor Recent Developments
- 10.11 TE Connectivity
 - 10.11.1 TE Connectivity Basic Information
 - 10.11.2 TE Connectivity GaN AC-DC Converter Product Overview
 - 10.11.3 TE Connectivity GaN AC-DC Converter Product Market Performance
 - 10.11.4 TE Connectivity Business Overview
 - 10.11.5 TE Connectivity Recent Developments
- 10.12 Navitas Semiconductor
 - 10.12.1 Navitas Semiconductor Basic Information
 - 10.12.2 Navitas Semiconductor GaN AC-DC Converter Product Overview
 - 10.12.3 Navitas Semiconductor GaN AC-DC Converter Product Market Performance
 - 10.12.4 Navitas Semiconductor Business Overview
 - 10.12.5 Navitas Semiconductor Recent Developments

11 GAN AC-DC CONVERTER MARKET FORECAST BY REGION

- 11.1 Global GaN AC-DC Converter Market Size Forecast
- 11.2 Global GaN AC-DC Converter Market Forecast by Region
 - 11.2.1 North America Market Size Forecast by Country
 - 11.2.2 Europe GaN AC-DC Converter Market Size Forecast by Country

11.2.3 Asia Pacific GaN AC-DC Converter Market Size Forecast by Region

11.2.4 South America GaN AC-DC Converter Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of GaN AC-DC Converter by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2033)

12.1 Global GaN AC-DC Converter Market Forecast by Type (2026-2033)

12.1.1 Global Forecasted Sales of GaN AC-DC Converter by Type (2026-2033)

12.1.2 Global GaN AC-DC Converter Market Size Forecast by Type (2026-2033)

12.1.3 Global Forecasted Price of GaN AC-DC Converter by Type (2026-2033)

12.2 Global GaN AC-DC Converter Market Forecast by Application (2026-2033)

12.2.1 Global GaN AC-DC Converter Sales (K Units) Forecast by Application

12.2.2 Global GaN AC-DC Converter Market Size (M USD) Forecast by Application (2026-2033)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Market Size (M USD) Segment Executive Summary

Table 4. GaN AC-DC Converter Market Size Comparison by Region (M USD)

Table 5. Global GaN AC-DC Converter Sales (K Units) by Manufacturers (2020-2025)

Table 6. Global GaN AC-DC Converter Sales Market Share by Manufacturers (2020-2025)

Table 7. Global GaN AC-DC Converter Revenue (M USD) by Manufacturers (2020-2025)

Table 8. Global GaN AC-DC Converter Revenue Share by Manufacturers (2020-2025)

Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in GaN AC-DC Converter as of 2024)

Table 10. Global Market GaN AC-DC Converter Average Price (USD/Unit) of Key Manufacturers (2020-2025)

Table 11. Manufacturers? Manufacturing Sites, Areas Served

Table 12. Manufacturers? Product Type

Table 13. Global GaN AC-DC Converter Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 14. Mergers & Acquisitions, Expansion Plans

Table 15. Market Overview of Key Raw Materials

Table 16. Midstream Market Analysis

Table 17. Downstream Customer Analysis

Table 18. Key Development Trends

Table 19. Driving Factors

Table 20. GaN AC-DC Converter Market Challenges

Table 21. Goldman Sachs' forecast real GDP growth rate for 2024-2026

Table 22. S&P Global ' Forecast Real GDP Growth Rate For 2024-2027

Table 23. World Bank ' Forecast Real GDP Growth Rate For 2024-2026

Table 24. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries

Table 25. Global GaN AC-DC Converter Sales by Type (K Units)

Table 26. Global GaN AC-DC Converter Market Size by Type (M USD)

Table 27. Global GaN AC-DC Converter Sales (K Units) by Type (2020-2025)

Table 28. Global GaN AC-DC Converter Sales Market Share by Type (2020-2025)

Table 29. Global GaN AC-DC Converter Market Size (M USD) by Type (2020-2025)

- Table 30. Global GaN AC-DC Converter Market Size Share by Type (2020-2025)
- Table 31. Global GaN AC-DC Converter Price (USD/Unit) by Type (2020-2025)
- Table 32. Global GaN AC-DC Converter Sales (K Units) by Application
- Table 33. Global GaN AC-DC Converter Market Size by Application
- Table 34. Global GaN AC-DC Converter Sales by Application (2020-2025) & (K Units)
- Table 35. Global GaN AC-DC Converter Sales Market Share by Application (2020-2025)
- Table 36. Global GaN AC-DC Converter Market Size by Application (2020-2025) & (M USD)
- Table 37. Global GaN AC-DC Converter Market Share by Application (2020-2025)
- Table 38. Global GaN AC-DC Converter Sales Growth Rate by Application (2020-2025)
- Table 39. Global GaN AC-DC Converter Sales by Region (2020-2025) & (K Units)
- Table 40. Global GaN AC-DC Converter Sales Market Share by Region (2020-2025)
- Table 41. Global GaN AC-DC Converter Market Size by Region (2020-2025) & (M USD)
- Table 42. Global GaN AC-DC Converter Market Size Market Share by Region (2020-2025)
- Table 43. North America GaN AC-DC Converter Sales by Country (2020-2025) & (K Units)
- Table 44. North America GaN AC-DC Converter Market Size by Country (2020-2025) & (M USD)
- Table 45. Europe GaN AC-DC Converter Sales by Country (2020-2025) & (K Units)
- Table 46. Europe GaN AC-DC Converter Market Size by Country (2020-2025) & (M USD)
- Table 47. Asia Pacific GaN AC-DC Converter Sales by Region (2020-2025) & (K Units)
- Table 48. Asia Pacific GaN AC-DC Converter Market Size by Region (2020-2025) & (M USD)
- Table 49. South America GaN AC-DC Converter Sales by Country (2020-2025) & (K Units)
- Table 50. South America GaN AC-DC Converter Market Size by Country (2020-2025) & (M USD)
- Table 51. Middle East and Africa GaN AC-DC Converter Sales by Region (2020-2025) & (K Units)
- Table 52. Middle East and Africa GaN AC-DC Converter Market Size by Region (2020-2025) & (M USD)
- Table 53. Global GaN AC-DC Converter Production (K Units) by Region(2020-2025)
- Table 54. Global GaN AC-DC Converter Revenue (US\$ Million) by Region (2020-2025)
- Table 55. Global GaN AC-DC Converter Revenue Market Share by Region (2020-2025)
- Table 56. Global GaN AC-DC Converter Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 57. North America GaN AC-DC Converter Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 58. Europe GaN AC-DC Converter Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 59. Japan GaN AC-DC Converter Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 60. China GaN AC-DC Converter Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 61. Panasonic Basic Information

Table 62. Panasonic GaN AC-DC Converter Product Overview

Table 63. Panasonic GaN AC-DC Converter Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 64. Panasonic Business Overview

Table 65. Panasonic SWOT Analysis

Table 66. Panasonic Recent Developments

Table 67. GaN System Basic Information

Table 68. GaN System GaN AC-DC Converter Product Overview

Table 69. GaN System GaN AC-DC Converter Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 70. GaN System Business Overview

Table 71. GaN System SWOT Analysis

Table 72. GaN System Recent Developments

Table 73. RECOM Power Basic Information

Table 74. RECOM Power GaN AC-DC Converter Product Overview

Table 75. RECOM Power GaN AC-DC Converter Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 76. RECOM Power Business Overview

Table 77. RECOM Power SWOT Analysis

Table 78. RECOM Power Recent Developments

Table 79. Renesas Electronics Basic Information

Table 80. Renesas Electronics GaN AC-DC Converter Product Overview

Table 81. Renesas Electronics GaN AC-DC Converter Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 82. Renesas Electronics Business Overview

Table 83. Renesas Electronics Recent Developments

Table 84. Infineon Basic Information

Table 85. Infineon GaN AC-DC Converter Product Overview

Table 86. Infineon GaN AC-DC Converter Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

- Table 87. Infineon Business Overview
- Table 88. Infineon Recent Developments
- Table 89. Power Integrations Basic Information
- Table 90. Power Integrations GaN AC-DC Converter Product Overview
- Table 91. Power Integrations GaN AC-DC Converter Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 92. Power Integrations Business Overview
- Table 93. Power Integrations Recent Developments
- Table 94. Epc-CO Basic Information
- Table 95. Epc-CO GaN AC-DC Converter Product Overview
- Table 96. Epc-CO GaN AC-DC Converter Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 97. Epc-CO Business Overview
- Table 98. Epc-CO Recent Developments
- Table 99. STMicroelectronics Basic Information
- Table 100. STMicroelectronics GaN AC-DC Converter Product Overview
- Table 101. STMicroelectronics GaN AC-DC Converter Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 102. STMicroelectronics Business Overview
- Table 103. STMicroelectronics Recent Developments
- Table 104. CUI Inc Basic Information
- Table 105. CUI Inc GaN AC-DC Converter Product Overview
- Table 106. CUI Inc GaN AC-DC Converter Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 107. CUI Inc Business Overview
- Table 108. CUI Inc Recent Developments
- Table 109. Dongke Semiconductor Basic Information
- Table 110. Dongke Semiconductor GaN AC-DC Converter Product Overview
- Table 111. Dongke Semiconductor GaN AC-DC Converter Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 112. Dongke Semiconductor Business Overview
- Table 113. Dongke Semiconductor Recent Developments
- Table 114. TE Connectivity Basic Information
- Table 115. TE Connectivity GaN AC-DC Converter Product Overview
- Table 116. TE Connectivity GaN AC-DC Converter Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 117. TE Connectivity Business Overview
- Table 118. TE Connectivity Recent Developments
- Table 119. Navitas Semiconductor Basic Information

- Table 120. Navitas Semiconductor GaN AC-DC Converter Product Overview
- Table 121. Navitas Semiconductor GaN AC-DC Converter Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 122. Navitas Semiconductor Business Overview
- Table 123. Navitas Semiconductor Recent Developments
- Table 124. Global GaN AC-DC Converter Sales Forecast by Region (2026-2033) & (K Units)
- Table 125. Global GaN AC-DC Converter Market Size Forecast by Region (2026-2033) & (M USD)
- Table 126. North America GaN AC-DC Converter Sales Forecast by Country (2026-2033) & (K Units)
- Table 127. North America GaN AC-DC Converter Market Size Forecast by Country (2026-2033) & (M USD)
- Table 128. Europe GaN AC-DC Converter Sales Forecast by Country (2026-2033) & (K Units)
- Table 129. Europe GaN AC-DC Converter Market Size Forecast by Country (2026-2033) & (M USD)
- Table 130. Asia Pacific GaN AC-DC Converter Sales Forecast by Region (2026-2033) & (K Units)
- Table 131. Asia Pacific GaN AC-DC Converter Market Size Forecast by Region (2026-2033) & (M USD)
- Table 132. South America GaN AC-DC Converter Sales Forecast by Country (2026-2033) & (K Units)
- Table 133. South America GaN AC-DC Converter Market Size Forecast by Country (2026-2033) & (M USD)
- Table 134. Middle East and Africa GaN AC-DC Converter Sales Forecast by Country (2026-2033) & (Units)
- Table 135. Middle East and Africa GaN AC-DC Converter Market Size Forecast by Country (2026-2033) & (M USD)
- Table 136. Global GaN AC-DC Converter Sales Forecast by Type (2026-2033) & (K Units)
- Table 137. Global GaN AC-DC Converter Market Size Forecast by Type (2026-2033) & (M USD)
- Table 138. Global GaN AC-DC Converter Price Forecast by Type (2026-2033) & (USD/Unit)
- Table 139. Global GaN AC-DC Converter Sales (K Units) Forecast by Application (2026-2033)
- Table 140. Global GaN AC-DC Converter Market Size Forecast by Application (2026-2033) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of GaN AC-DC Converter
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global GaN AC-DC Converter Market Size (M USD), 2024-2033
- Figure 5. Global GaN AC-DC Converter Market Size (M USD) (2020-2033)
- Figure 6. Global GaN AC-DC Converter Sales (K Units) & (2020-2033)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. GaN AC-DC Converter Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global GaN AC-DC Converter Product Life Cycle
- Figure 13. GaN AC-DC Converter Sales Share by Manufacturers in 2024
- Figure 14. Global GaN AC-DC Converter Revenue Share by Manufacturers in 2024
- Figure 15. GaN AC-DC Converter Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2024
- Figure 16. Global Market GaN AC-DC Converter Average Price (USD/Unit) of Key Manufacturers in 2024
- Figure 17. The Global 5 and 10 Largest Players: Market Share by GaN AC-DC Converter Revenue in 2024
- Figure 18. Industry Chain Map of GaN AC-DC Converter
- Figure 19. Global GaN AC-DC Converter Market PEST Analysis
- Figure 20. Global GaN AC-DC Converter Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global GaN AC-DC Converter Market Share by Type
- Figure 27. Sales Market Share of GaN AC-DC Converter by Type (2020-2025)
- Figure 28. Sales Market Share of GaN AC-DC Converter by Type in 2024
- Figure 29. Market Size Share of GaN AC-DC Converter by Type (2020-2025)
- Figure 30. Market Size Share of GaN AC-DC Converter by Type in 2024
- Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 32. Global GaN AC-DC Converter Market Share by Application

- Figure 33. Global GaN AC-DC Converter Sales Market Share by Application (2020-2025)
- Figure 34. Global GaN AC-DC Converter Sales Market Share by Application in 2024
- Figure 35. Global GaN AC-DC Converter Market Share by Application (2020-2025)
- Figure 36. Global GaN AC-DC Converter Market Share by Application in 2024
- Figure 37. Global GaN AC-DC Converter Sales Growth Rate by Application (2020-2025)
- Figure 38. Global GaN AC-DC Converter Sales Market Share by Region (2020-2025)
- Figure 39. Global GaN AC-DC Converter Market Size Market Share by Region (2020-2025)
- Figure 40. North America GaN AC-DC Converter Sales and Growth Rate (2020-2025) & (K Units)
- Figure 41. North America GaN AC-DC Converter Sales and Growth Rate (2020-2025) & (K Units)
- Figure 42. North America GaN AC-DC Converter Sales Market Share by Country in 2024
- Figure 43. North America GaN AC-DC Converter Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 44. North America GaN AC-DC Converter Market Size Market Share by Country in 2024
- Figure 45. U.S. GaN AC-DC Converter Sales and Growth Rate (2020-2025) & (K Units)
- Figure 46. U.S. GaN AC-DC Converter Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 47. Canada GaN AC-DC Converter Sales (K Units) and Growth Rate (2020-2025)
- Figure 48. Canada GaN AC-DC Converter Market Size (M USD) and Growth Rate (2020-2025)
- Figure 49. Mexico GaN AC-DC Converter Sales (Units) and Growth Rate (2020-2025)
- Figure 50. Mexico GaN AC-DC Converter Market Size (Units) and Growth Rate (2020-2025)
- Figure 51. Europe GaN AC-DC Converter Sales and Growth Rate (2020-2025) & (K Units)
- Figure 52. Europe GaN AC-DC Converter Sales Market Share by Country in 2024
- Figure 53. Europe GaN AC-DC Converter Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 54. Europe GaN AC-DC Converter Market Size Market Share by Country in 2024
- Figure 55. Germany GaN AC-DC Converter Sales and Growth Rate (2020-2025) & (K Units)
- Figure 56. Germany GaN AC-DC Converter Market Size and Growth Rate (2020-2025)

& (M USD)

Figure 57. France GaN AC-DC Converter Sales and Growth Rate (2020-2025) & (K Units)

Figure 58. France GaN AC-DC Converter Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. GaN AC-DC Converter Sales and Growth Rate (2020-2025) & (K Units)

Figure 60. U.K. GaN AC-DC Converter Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy GaN AC-DC Converter Sales and Growth Rate (2020-2025) & (K Units)

Figure 62. Italy GaN AC-DC Converter Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain GaN AC-DC Converter Sales and Growth Rate (2020-2025) & (K Units)

Figure 64. Spain GaN AC-DC Converter Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific GaN AC-DC Converter Sales and Growth Rate (K Units)

Figure 66. Asia Pacific GaN AC-DC Converter Sales Market Share by Region in 2024

Figure 67. Asia Pacific GaN AC-DC Converter Market Size Market Share by Region in 2024

Figure 68. China GaN AC-DC Converter Sales and Growth Rate (2020-2025) & (K Units)

Figure 69. China GaN AC-DC Converter Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan GaN AC-DC Converter Sales and Growth Rate (2020-2025) & (K Units)

Figure 71. Japan GaN AC-DC Converter Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea GaN AC-DC Converter Sales and Growth Rate (2020-2025) & (K Units)

Figure 73. South Korea GaN AC-DC Converter Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India GaN AC-DC Converter Sales and Growth Rate (2020-2025) & (K Units)

Figure 75. India GaN AC-DC Converter Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia GaN AC-DC Converter Sales and Growth Rate (2020-2025) & (K Units)

Figure 77. Southeast Asia GaN AC-DC Converter Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America GaN AC-DC Converter Sales and Growth Rate (K Units)

Figure 79. South America GaN AC-DC Converter Sales Market Share by Country in 2024

Figure 80. South America GaN AC-DC Converter Market Size and Growth Rate (M USD)

Figure 81. South America GaN AC-DC Converter Market Size Market Share by Country in 2024

Figure 82. Brazil GaN AC-DC Converter Sales and Growth Rate (2020-2025) & (K Units)

Figure 83. Brazil GaN AC-DC Converter Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina GaN AC-DC Converter Sales and Growth Rate (2020-2025) & (K Units)

Figure 85. Argentina GaN AC-DC Converter Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia GaN AC-DC Converter Sales and Growth Rate (2020-2025) & (K Units)

Figure 87. Columbia GaN AC-DC Converter Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa GaN AC-DC Converter Sales and Growth Rate (K Units)

Figure 89. Middle East and Africa GaN AC-DC Converter Sales Market Share by Region in 2024

Figure 90. Middle East and Africa GaN AC-DC Converter Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa GaN AC-DC Converter Market Size Market Share by Region in 2024

Figure 92. Saudi Arabia GaN AC-DC Converter Sales and Growth Rate (2020-2025) & (K Units)

Figure 93. Saudi Arabia GaN AC-DC Converter Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE GaN AC-DC Converter Sales and Growth Rate (2020-2025) & (K Units)

Figure 95. UAE GaN AC-DC Converter Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt GaN AC-DC Converter Sales and Growth Rate (2020-2025) & (K Units)

Figure 97. Egypt GaN AC-DC Converter Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria GaN AC-DC Converter Sales and Growth Rate (2020-2025) & (K Units)

Figure 99. Nigeria GaN AC-DC Converter Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa GaN AC-DC Converter Sales and Growth Rate (2020-2025) & (K Units)

Figure 101. South Africa GaN AC-DC Converter Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global GaN AC-DC Converter Production Market Share by Region (2020-2025)

Figure 103. North America GaN AC-DC Converter Production (K Units) Growth Rate (2020-2025)

Figure 104. Europe GaN AC-DC Converter Production (K Units) Growth Rate (2020-2025)

Figure 105. Japan GaN AC-DC Converter Production (K Units) Growth Rate (2020-2025)

Figure 106. China GaN AC-DC Converter Production (K Units) Growth Rate (2020-2025)

Figure 107. Global GaN AC-DC Converter Sales Forecast by Volume (2020-2033) & (K Units)

Figure 108. Global GaN AC-DC Converter Market Size Forecast by Value (2020-2033) & (M USD)

Figure 109. Global GaN AC-DC Converter Sales Market Share Forecast by Type (2026-2033)

Figure 110. Global GaN AC-DC Converter Market Share Forecast by Type (2026-2033)

Figure 111. Global GaN AC-DC Converter Sales Forecast by Application (2026-2033)

Figure 112. Global GaN AC-DC Converter Market Share Forecast by Application (2026-2033)

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