

Global PFC Power Devices Market Growth 2026-2032

<https://marketpublishers.com/r/GD0AF495F1BFEN.html>

Date: July 2026

Pages: 113

Price: US\$ 3,660.00 (Single User License)

ID: GD0AF495F1BFEN

Abstracts

The global PFC Power Devices market size is predicted to grow from US\$ 3228 million in 2025 to US\$ 5847 million in 2032; it is expected to grow at a CAGR of 8.8% from 2026 to 2032.

PFC Power Devices are power semiconductor devices used in power factor correction stages, enabling controlled switching, rectification, and current shaping to reduce harmonic distortion, improve conversion efficiency, and enhance grid-side power quality. Compared with ordinary rectifier or switching devices, their advantages lie in higher efficiency, lower switching loss, better thermal performance, stronger high-frequency operation capability, and stronger suitability for server power supplies, communication power supplies, and industrial power systems. In 2025, production was approximately 1,833 million units and the average price was USD 1.8 per unit. The industry's capacity utilization rate in 2025 was about 80% and the average gross margin was around 30%. Upstream, the key inputs include power semiconductor wafers and packaging materials, with representative suppliers such as Wolfspeed, GlobalWafers, and Heraeus providing substrate materials, semiconductor wafers, and advanced packaging materials. The midstream segment focuses on device structure design, wafer processing, chip fabrication, packaging integration, electrical performance testing, thermal reliability verification, and application matching, which together determine switching efficiency, voltage and current endurance, heat dissipation, reliability, and cost competitiveness. Downstream, PFC Power Devices are mainly used in server power supplies, communication power supplies, and industrial power supplies.

PFC Power Devices are becoming more closely tied to the efficiency upgrade of high-density power systems. In server power supplies, their value is reflected in lower conversion loss, higher power density, and better thermal control under continuous high-load operation. In communication power supplies, they support stable grid-side power quality and long-term reliability. In industrial power supplies, they help improve energy

efficiency and equipment operating stability. As downstream systems move toward higher frequency, smaller size, and stricter energy standards, competition will focus on switching efficiency, voltage and current endurance, packaging reliability, and thermal performance. Suppliers with stronger device design and application matching capability can build more resilient margins.

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

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for PFC Power Devices 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 PFC Power Devices.

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

Segmentation by Type:

600V

650V

1200V

Others

Segmentation by Package:

TO-220

TO-247

Others

Segmentation by Current:

Current

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 PFC Power Devices Annual Sales 2021-2032
- 2.1.2 World Current & Future Analysis for PFC Power Devices by Geographic Region, 2021, 2025 & 2032
- 2.1.3 World Current & Future Analysis for PFC Power Devices by Country/Region, 2021, 2025 & 2032

2.2 PFC Power Devices Segment by Type

- 2.2.1 600V
- 2.2.2 650V
- 2.2.3 1200V
- 2.2.4 Others
- 2.2.5 PFC Power Devices Sales by Type
 - 2.2.5.1 Global PFC Power Devices Sales Market Share by Type (2021-2026)
 - 2.2.5.2 Global PFC Power Devices Revenue and Market Share by Type (2021-2026)
 - 2.2.5.3 Global PFC Power Devices Sale Price by Type (2021-2026)

2.3 PFC Power Devices Segment by Package

- 2.3.1 TO-220
- 2.3.2 TO-247
- 2.3.3 Others
- 2.3.4 PFC Power Devices Sales by Package
 - 2.3.4.1 Global PFC Power Devices Sales Market Share by Package (2021-2026)
 - 2.3.4.2 Global PFC Power Devices Revenue and Market Share by Package (2021-2026)
 - 2.3.4.3 Global PFC Power Devices Sale Price by Package (2021-2026)

2.4 PFC Power Devices Segment by Current

2.4.1 Current

List Of Tables

LIST OF TABLES

Table 1. PFC Power Devices Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. PFC Power Devices Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of 600V

Table 4. Major Players of 650V

Table 5. Major Players of 1200V

Table 6. Major Players of Others

Table 7. Global PFC Power Devices Sales by Type (2021-2026) & (K Units)

Table 8. Global PFC Power Devices Sales Market Share by Type (2021-2026)

Table 9. Global PFC Power Devices Revenue by Type (2021-2026) & (\$ million)

Table 10. Global PFC Power Devices Revenue Market Share by Type (2021-2026)

Table 11. Global PFC Power Devices Sale Price by Type (2021-2026) & (US\$/Unit)

Table 12. Major Players of TO-220

Table 13. Major Players of TO-247

Table 14. Major Players of Others

Table 15. Global PFC Power Devices Sales by Package (2021-2026) & (K Units)

Table 16. Global PFC Power Devices Sales Market Share by Package (2021-2026)

Table 17. Global PFC Power Devices Revenue by Package (2021-2026) & (\$ million)

Table 18. Global PFC Power Devices Revenue Market Share by Package (2021-2026)

Table 19. Global PFC Power Devices Sale Price by Package (2021-2026) & (US\$/Unit)

Table 20. Major Players of Current

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of PFC Power Devices
- Figure 2. PFC Power Devices Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global PFC Power Devices Sales Growth Rate 2021-2032 (K Units)
- Figure 7. Global PFC Power Devices Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. PFC Power Devices Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. PFC Power Devices Sales Market Share by Country/Region (2025)
- Figure 10. PFC Power Devices Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of 600V
- Figure 12. Product Picture of 650V
- Figure 13. Product Picture of 1200V
- Figure 14. Product Picture of Others
- Figure 15. Global PFC Power Devices Sales Market Share by Type in 2026
- Figure 16. Global PFC Power Devices Revenue Market Share by Type (2021-2026)
- Figure 17. Product Picture of TO-220
- Figure 18. Product Picture of TO-247
- Figure 19. Product Picture of Others
- Figure 20. Global PFC Power Devices Sales Market Share by Package in 2026
- Figure 21. Global PFC Power Devices Revenue Market Share by Package (2021-2026)
- Figure 22. Product Picture of Current

I would like to order

Product name: Global PFC Power Devices Market Growth 2026-2032

Product link: <https://marketpublishers.com/r/GD0AF495F1BFEN.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/GD0AF495F1BFEN.html>