

# **Global PD Bidirectional Fast Charging IC Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032**

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## **Abstracts**

According to our (Global Info Research) latest study, the global PD Bidirectional Fast Charging IC market size was valued at US\$ 1837 million in 2025 and is forecast to a readjusted size of US\$ 3008 million by 2032 with a CAGR of 7.4% during review period.

PD bidirectional fast charging IC is a high-performance power management integrated circuit that supports the USB Power Delivery protocol. It has bidirectional power supply capabilities for charging and discharging and is widely used in multi-function devices such as mobile power supplies, laptops, smart phones, portable displays, etc. This chip can intelligently identify the device role through the USB-C interface, flexibly switch the power input and output modes, and realize the mutual charging function between devices, such as a laptop charging a mobile phone, or a mobile power supply reversely powering a computer. PD bidirectional fast charging IC usually integrates modules such as protocol controller, MOSFET driver, overvoltage and overcurrent protection, power path management, etc. It has the advantages of high integration, small size and high safety, supports multiple voltage levels and power regulation, and meets the fast charging needs in various application scenarios.

This report is a detailed and comprehensive analysis for global PD Bidirectional Fast Charging IC market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### Key Features:

Global PD Bidirectional Fast Charging IC market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global PD Bidirectional Fast Charging IC market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global PD Bidirectional Fast Charging IC market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global PD Bidirectional Fast Charging IC market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

### The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for PD Bidirectional Fast Charging IC

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global PD Bidirectional Fast Charging IC market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include NXP, STMicroelectronics, Texas Instruments, Cypress, Nanjing Qinheng Microelectronics, Shenzhen Injoinic Technology, Richtek Technology Corporation, Zhuhai iSmartWare Technology, Southchip Semiconductor Technology, MIX-DESIGN, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## Market Segmentation

PD Bidirectional Fast Charging IC market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

PD Sink Chip

PD Charging Chip

### Market segment by Application

Smartphone

Tablet PCs

Wearable Device

Laptops

Others

### Major players covered

NXP

STMicroelectronics

Texas Instruments

Cypress

Nanjing Qinsheng Microelectronics

Shenzhen Injoinic Technology

Richtek Technology Corporation

Zhuhai iSmartWare Technology

Southchip Semiconductor Technology

MIX-DESIGN

Hangzhou Silan Microelectronics

Shenzhen Chipsea Technologies

FastSOC Microelectronics

JADARD TECHNOLOGY

Hynetek Semiconductor

Shenzhen Weipu Innovation Technology

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe PD Bidirectional Fast Charging IC product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of PD Bidirectional Fast Charging IC, with price, sales quantity, revenue, and global market share of PD Bidirectional Fast Charging IC from 2021 to 2026.

Chapter 3, the PD Bidirectional Fast Charging IC competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the PD Bidirectional Fast Charging IC breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and PD Bidirectional Fast Charging IC market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of PD Bidirectional Fast Charging IC.

Chapter 14 and 15, to describe PD Bidirectional Fast Charging IC sales channel, distributors, customers, research findings and conclusion.

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