

Global PD Bidirectional Fast Charging IC Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global PD Bidirectional Fast Charging IC market size is expected to reach \$ 3008 million by 2032, rising at a market growth of 7.4% CAGR during the forecast period (2026-2032).

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 studies the global PD Bidirectional Fast Charging IC production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for PD Bidirectional Fast Charging IC and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of PD Bidirectional Fast Charging IC that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global PD Bidirectional Fast Charging IC total production and demand, 2021-2032, (K Units)

Global PD Bidirectional Fast Charging IC total production value, 2021-2032, (USD Million)

Global PD Bidirectional Fast Charging IC production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global PD Bidirectional Fast Charging IC consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: PD Bidirectional Fast Charging IC domestic production, consumption, key domestic manufacturers and share

Global PD Bidirectional Fast Charging IC production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global PD Bidirectional Fast Charging IC production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global PD Bidirectional Fast Charging IC production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global PD Bidirectional Fast Charging IC market based on the following parameters - company overview, production, value, 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World PD Bidirectional Fast Charging IC market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global PD Bidirectional Fast Charging IC Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global PD Bidirectional Fast Charging IC Market, Segmentation by Type:

PD Sink Chip

PD Charging Chip

Global PD Bidirectional Fast Charging IC Market, Segmentation by Application:

Smartphone

Tablet PCs

Wearable Device

Laptops

Others

Companies Profiled:

NXP

STMicroelectronics

Texas Instruments

Cypress

Nanjing Qinheng 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

Key Questions Answered:

1. How big is the global PD Bidirectional Fast Charging IC market?
2. What is the demand of the global PD Bidirectional Fast Charging IC market?
3. What is the year over year growth of the global PD Bidirectional Fast Charging IC

market?

4. What is the production and production value of the global PD Bidirectional Fast Charging IC market?

5. Who are the key producers in the global PD Bidirectional Fast Charging IC market?

6. What are the growth factors driving the market demand?

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