

Global Bidirectional Fast Charging Protocol Chip Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

<https://marketpublishers.com/r/G6B2D7B2EA3FEN.html>

Date: August 2023

Pages: 105

Price: US\$ 3,480.00 (Single User License)

ID: G6B2D7B2EA3FEN

Abstracts

According to our (Global Info Research) latest study, the global Bidirectional Fast Charging Protocol Chip market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period.

A bidirectional fast charging protocol chip is an integrated circuit (IC) or microcontroller that facilitates bidirectional communication and control between a power source (such as a charger or power bank) and a connected device during high-speed charging. It manages the power flow between the two devices, ensuring efficient and safe charging. The chip is responsible for implementing a specific fast charging protocol, such as Qualcomm Quick Charge, USB Power Delivery (PD), or other proprietary protocols developed by device manufacturers. These protocols enable the power source and the device to negotiate optimal charging parameters, such as voltage, current, and power levels, to achieve faster charging speeds while maintaining compatibility and safety. The bidirectional nature of the chip allows for communication in both directions. It enables the power source to identify the connected device's charging capabilities and requirements, while also allowing the device to request and negotiate the desired charging parameters from the power source. The chip regulates the power transfer between the power source and the device by monitoring and adjusting voltage and current levels. It ensures that the charging process remains within safe operating limits, protecting both the device and the power source from potential damage caused by overcharging, overheating, or excessive power draw. By utilizing a bidirectional fast charging protocol chip, devices and chargers can communicate and cooperate effectively, enabling faster and more efficient charging. This technology has become increasingly important as the demand for high-speed charging grows, allowing users to rapidly recharge their devices without compromising safety or compatibility.

The Global Info Research report includes an overview of the development of the Bidirectional Fast Charging Protocol Chip industry chain, the market status of Electric Vehicle (Downstream Facing Port (DFP), Upstream Facing Port (UFP)), Renewable Energy (Downstream Facing Port (DFP), Upstream Facing Port (UFP)), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Bidirectional Fast Charging Protocol Chip.

Regionally, the report analyzes the Bidirectional Fast Charging Protocol Chip markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Bidirectional Fast Charging Protocol Chip market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Bidirectional Fast Charging Protocol Chip market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Bidirectional Fast Charging Protocol Chip industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Pcs), revenue generated, and market share of different by Type (e.g., Downstream Facing Port (DFP), Upstream Facing Port (UFP)).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Bidirectional Fast Charging Protocol Chip market.

Regional Analysis: The report involves examining the Bidirectional Fast Charging Protocol Chip market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Bidirectional Fast Charging Protocol Chip market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Bidirectional Fast Charging Protocol Chip:

Company Analysis: Report covers individual Bidirectional Fast Charging Protocol Chip manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Bidirectional Fast Charging Protocol Chip. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Electric Vehicle, Renewable Energy).

Technology Analysis: Report covers specific technologies relevant to Bidirectional Fast Charging Protocol Chip. It assesses the current state, advancements, and potential future developments in Bidirectional Fast Charging Protocol Chip areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Bidirectional Fast Charging Protocol Chip market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Bidirectional Fast Charging Protocol Chip market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Downstream Facing Port (DFP)

Upstream Facing Port (UFP)

Dual Role Port (DRP)

Market segment by Application

Electric Vehicle

Renewable Energy

Smart Home Appliances

Laptop

Others

Major players covered

SOUTHCHIP

Chipsea

WinChipHead (WCH)

Silan Microelectronics

JADARD

wpinno

Injoinic

iSmartWare Technology

Texas Instruments

STMicroelectronics

onsemi

Qualcomm

Genesys Logic

NXP

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 Bidirectional Fast Charging Protocol Chip product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Bidirectional Fast Charging Protocol Chip, with price, sales, revenue and global market share of Bidirectional Fast Charging Protocol Chip from 2018 to 2023.

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

Chapter 4, the Bidirectional Fast Charging Protocol Chip breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

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 2017 to 2022. and Bidirectional Fast Charging Protocol Chip market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

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

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

Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Bidirectional Fast Charging Protocol Chip
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
 - 1.3.1 Overview: Global Bidirectional Fast Charging Protocol Chip Consumption Value by Type: 2018 Versus 2022 Versus 2029
 - 1.3.2 Downstream Facing Port (DFP)
 - 1.3.3 Upstream Facing Port (UFP)
 - 1.3.4 Dual Role Port (DRP)
- 1.4 Market Analysis by Application
 - 1.4.1 Overview: Global Bidirectional Fast Charging Protocol Chip Consumption Value by Application: 2018 Versus 2022 Versus 2029
 - 1.4.2 Electric Vehicle
 - 1.4.3 Renewable Energy
 - 1.4.4 Smart Home Appliances
 - 1.4.5 Laptop
 - 1.4.6 Others
- 1.5 Global Bidirectional Fast Charging Protocol Chip Market Size & Forecast
 - 1.5.1 Global Bidirectional Fast Charging Protocol Chip Consumption Value (2018 & 2022 & 2029)
 - 1.5.2 Global Bidirectional Fast Charging Protocol Chip Sales Quantity (2018-2029)
 - 1.5.3 Global Bidirectional Fast Charging Protocol Chip Average Price (2018-2029)

2 MANUFACTURERS PROFILES

- 2.1 SOUTHCHIP
 - 2.1.1 SOUTHCHIP Details
 - 2.1.2 SOUTHCHIP Major Business
 - 2.1.3 SOUTHCHIP Bidirectional Fast Charging Protocol Chip Product and Services
 - 2.1.4 SOUTHCHIP Bidirectional Fast Charging Protocol Chip Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.1.5 SOUTHCHIP Recent Developments/Updates
- 2.2 Chipsea
 - 2.2.1 Chipsea Details
 - 2.2.2 Chipsea Major Business
 - 2.2.3 Chipsea Bidirectional Fast Charging Protocol Chip Product and Services

2.2.4 Chipsea Bidirectional Fast Charging Protocol Chip Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.2.5 Chipsea Recent Developments/Updates

2.3 WinChipHead (WCH)

2.3.1 WinChipHead (WCH) Details

2.3.2 WinChipHead (WCH) Major Business

2.3.3 WinChipHead (WCH) Bidirectional Fast Charging Protocol Chip Product and Services

2.3.4 WinChipHead (WCH) Bidirectional Fast Charging Protocol Chip Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.3.5 WinChipHead (WCH) Recent Developments/Updates

2.4 Silan Microelectronics

2.4.1 Silan Microelectronics Details

2.4.2 Silan Microelectronics Major Business

2.4.3 Silan Microelectronics Bidirectional Fast Charging Protocol Chip Product and Services

2.4.4 Silan Microelectronics Bidirectional Fast Charging Protocol Chip Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.4.5 Silan Microelectronics Recent Developments/Updates

2.5 JADARD

2.5.1 JADARD Details

2.5.2 JADARD Major Business

2.5.3 JADARD Bidirectional Fast Charging Protocol Chip Product and Services

2.5.4 JADARD Bidirectional Fast Charging Protocol Chip Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.5.5 JADARD Recent Developments/Updates

2.6 wpinno

2.6.1 wpinno Details

2.6.2 wpinno Major Business

2.6.3 wpinno Bidirectional Fast Charging Protocol Chip Product and Services

2.6.4 wpinno Bidirectional Fast Charging Protocol Chip Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.6.5 wpinno Recent Developments/Updates

2.7 Injoinic

2.7.1 Injoinic Details

2.7.2 Injoinic Major Business

2.7.3 Injoinic Bidirectional Fast Charging Protocol Chip Product and Services

2.7.4 Injoinic Bidirectional Fast Charging Protocol Chip Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

- 2.7.5 Injoinic Recent Developments/Updates
- 2.8 iSmartWare Technology
 - 2.8.1 iSmartWare Technology Details
 - 2.8.2 iSmartWare Technology Major Business
 - 2.8.3 iSmartWare Technology Bidirectional Fast Charging Protocol Chip Product and Services
 - 2.8.4 iSmartWare Technology Bidirectional Fast Charging Protocol Chip Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.8.5 iSmartWare Technology Recent Developments/Updates
- 2.9 Texas Instruments
 - 2.9.1 Texas Instruments Details
 - 2.9.2 Texas Instruments Major Business
 - 2.9.3 Texas Instruments Bidirectional Fast Charging Protocol Chip Product and Services
 - 2.9.4 Texas Instruments Bidirectional Fast Charging Protocol Chip Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.9.5 Texas Instruments Recent Developments/Updates
- 2.10 STMicroelectronics
 - 2.10.1 STMicroelectronics Details
 - 2.10.2 STMicroelectronics Major Business
 - 2.10.3 STMicroelectronics Bidirectional Fast Charging Protocol Chip Product and Services
 - 2.10.4 STMicroelectronics Bidirectional Fast Charging Protocol Chip Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.10.5 STMicroelectronics Recent Developments/Updates
- 2.11 onsemi
 - 2.11.1 onsemi Details
 - 2.11.2 onsemi Major Business
 - 2.11.3 onsemi Bidirectional Fast Charging Protocol Chip Product and Services
 - 2.11.4 onsemi Bidirectional Fast Charging Protocol Chip Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.11.5 onsemi Recent Developments/Updates
- 2.12 Qualcomm
 - 2.12.1 Qualcomm Details
 - 2.12.2 Qualcomm Major Business
 - 2.12.3 Qualcomm Bidirectional Fast Charging Protocol Chip Product and Services
 - 2.12.4 Qualcomm Bidirectional Fast Charging Protocol Chip Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.12.5 Qualcomm Recent Developments/Updates

2.13 Genesys Logic

2.13.1 Genesys Logic Details

2.13.2 Genesys Logic Major Business

2.13.3 Genesys Logic Bidirectional Fast Charging Protocol Chip Product and Services

2.13.4 Genesys Logic Bidirectional Fast Charging Protocol Chip Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.13.5 Genesys Logic Recent Developments/Updates

2.14 NXP

2.14.1 NXP Details

2.14.2 NXP Major Business

2.14.3 NXP Bidirectional Fast Charging Protocol Chip Product and Services

2.14.4 NXP Bidirectional Fast Charging Protocol Chip Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.14.5 NXP Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: BIDIRECTIONAL FAST CHARGING PROTOCOL CHIP BY MANUFACTURER

3.1 Global Bidirectional Fast Charging Protocol Chip Sales Quantity by Manufacturer (2018-2023)

3.2 Global Bidirectional Fast Charging Protocol Chip Revenue by Manufacturer (2018-2023)

3.3 Global Bidirectional Fast Charging Protocol Chip Average Price by Manufacturer (2018-2023)

3.4 Market Share Analysis (2022)

3.4.1 Producer Shipments of Bidirectional Fast Charging Protocol Chip by Manufacturer Revenue (\$MM) and Market Share (%): 2022

3.4.2 Top 3 Bidirectional Fast Charging Protocol Chip Manufacturer Market Share in 2022

3.4.2 Top 6 Bidirectional Fast Charging Protocol Chip Manufacturer Market Share in 2022

3.5 Bidirectional Fast Charging Protocol Chip Market: Overall Company Footprint Analysis

3.5.1 Bidirectional Fast Charging Protocol Chip Market: Region Footprint

3.5.2 Bidirectional Fast Charging Protocol Chip Market: Company Product Type Footprint

3.5.3 Bidirectional Fast Charging Protocol Chip Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global Bidirectional Fast Charging Protocol Chip Market Size by Region

4.1.1 Global Bidirectional Fast Charging Protocol Chip Sales Quantity by Region (2018-2029)

4.1.2 Global Bidirectional Fast Charging Protocol Chip Consumption Value by Region (2018-2029)

4.1.3 Global Bidirectional Fast Charging Protocol Chip Average Price by Region (2018-2029)

4.2 North America Bidirectional Fast Charging Protocol Chip Consumption Value (2018-2029)

4.3 Europe Bidirectional Fast Charging Protocol Chip Consumption Value (2018-2029)

4.4 Asia-Pacific Bidirectional Fast Charging Protocol Chip Consumption Value (2018-2029)

4.5 South America Bidirectional Fast Charging Protocol Chip Consumption Value (2018-2029)

4.6 Middle East and Africa Bidirectional Fast Charging Protocol Chip Consumption Value (2018-2029)

5 MARKET SEGMENT BY TYPE

5.1 Global Bidirectional Fast Charging Protocol Chip Sales Quantity by Type (2018-2029)

5.2 Global Bidirectional Fast Charging Protocol Chip Consumption Value by Type (2018-2029)

5.3 Global Bidirectional Fast Charging Protocol Chip Average Price by Type (2018-2029)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Bidirectional Fast Charging Protocol Chip Sales Quantity by Application (2018-2029)

6.2 Global Bidirectional Fast Charging Protocol Chip Consumption Value by Application (2018-2029)

6.3 Global Bidirectional Fast Charging Protocol Chip Average Price by Application (2018-2029)

7 NORTH AMERICA

7.1 North America Bidirectional Fast Charging Protocol Chip Sales Quantity by Type (2018-2029)

7.2 North America Bidirectional Fast Charging Protocol Chip Sales Quantity by Application (2018-2029)

7.3 North America Bidirectional Fast Charging Protocol Chip Market Size by Country

7.3.1 North America Bidirectional Fast Charging Protocol Chip Sales Quantity by Country (2018-2029)

7.3.2 North America Bidirectional Fast Charging Protocol Chip Consumption Value by Country (2018-2029)

7.3.3 United States Market Size and Forecast (2018-2029)

7.3.4 Canada Market Size and Forecast (2018-2029)

7.3.5 Mexico Market Size and Forecast (2018-2029)

8 EUROPE

8.1 Europe Bidirectional Fast Charging Protocol Chip Sales Quantity by Type (2018-2029)

8.2 Europe Bidirectional Fast Charging Protocol Chip Sales Quantity by Application (2018-2029)

8.3 Europe Bidirectional Fast Charging Protocol Chip Market Size by Country

8.3.1 Europe Bidirectional Fast Charging Protocol Chip Sales Quantity by Country (2018-2029)

8.3.2 Europe Bidirectional Fast Charging Protocol Chip Consumption Value by Country (2018-2029)

8.3.3 Germany Market Size and Forecast (2018-2029)

8.3.4 France Market Size and Forecast (2018-2029)

8.3.5 United Kingdom Market Size and Forecast (2018-2029)

8.3.6 Russia Market Size and Forecast (2018-2029)

8.3.7 Italy Market Size and Forecast (2018-2029)

9 ASIA-PACIFIC

9.1 Asia-Pacific Bidirectional Fast Charging Protocol Chip Sales Quantity by Type (2018-2029)

9.2 Asia-Pacific Bidirectional Fast Charging Protocol Chip Sales Quantity by Application (2018-2029)

9.3 Asia-Pacific Bidirectional Fast Charging Protocol Chip Market Size by Region

9.3.1 Asia-Pacific Bidirectional Fast Charging Protocol Chip Sales Quantity by Region (2018-2029)

9.3.2 Asia-Pacific Bidirectional Fast Charging Protocol Chip Consumption Value by Region (2018-2029)

9.3.3 China Market Size and Forecast (2018-2029)

9.3.4 Japan Market Size and Forecast (2018-2029)

9.3.5 Korea Market Size and Forecast (2018-2029)

9.3.6 India Market Size and Forecast (2018-2029)

9.3.7 Southeast Asia Market Size and Forecast (2018-2029)

9.3.8 Australia Market Size and Forecast (2018-2029)

10 SOUTH AMERICA

10.1 South America Bidirectional Fast Charging Protocol Chip Sales Quantity by Type (2018-2029)

10.2 South America Bidirectional Fast Charging Protocol Chip Sales Quantity by Application (2018-2029)

10.3 South America Bidirectional Fast Charging Protocol Chip Market Size by Country

10.3.1 South America Bidirectional Fast Charging Protocol Chip Sales Quantity by Country (2018-2029)

10.3.2 South America Bidirectional Fast Charging Protocol Chip Consumption Value by Country (2018-2029)

10.3.3 Brazil Market Size and Forecast (2018-2029)

10.3.4 Argentina Market Size and Forecast (2018-2029)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Bidirectional Fast Charging Protocol Chip Sales Quantity by Type (2018-2029)

11.2 Middle East & Africa Bidirectional Fast Charging Protocol Chip Sales Quantity by Application (2018-2029)

11.3 Middle East & Africa Bidirectional Fast Charging Protocol Chip Market Size by Country

11.3.1 Middle East & Africa Bidirectional Fast Charging Protocol Chip Sales Quantity by Country (2018-2029)

11.3.2 Middle East & Africa Bidirectional Fast Charging Protocol Chip Consumption Value by Country (2018-2029)

11.3.3 Turkey Market Size and Forecast (2018-2029)

11.3.4 Egypt Market Size and Forecast (2018-2029)

11.3.5 Saudi Arabia Market Size and Forecast (2018-2029)

11.3.6 South Africa Market Size and Forecast (2018-2029)

12 MARKET DYNAMICS

12.1 Bidirectional Fast Charging Protocol Chip Market Drivers

12.2 Bidirectional Fast Charging Protocol Chip Market Restraints

12.3 Bidirectional Fast Charging Protocol Chip Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

12.5 Influence of COVID-19 and Russia-Ukraine War

12.5.1 Influence of COVID-19

12.5.2 Influence of Russia-Ukraine War

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Bidirectional Fast Charging Protocol Chip and Key Manufacturers

13.2 Manufacturing Costs Percentage of Bidirectional Fast Charging Protocol Chip

13.3 Bidirectional Fast Charging Protocol Chip Production Process

13.4 Bidirectional Fast Charging Protocol Chip Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Bidirectional Fast Charging Protocol Chip Typical Distributors

14.3 Bidirectional Fast Charging Protocol Chip Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

- Table 1. Global Bidirectional Fast Charging Protocol Chip Consumption Value by Type, (USD Million), 2018 & 2022 & 2029
- Table 2. Global Bidirectional Fast Charging Protocol Chip Consumption Value by Application, (USD Million), 2018 & 2022 & 2029
- Table 3. SOUTHCIP Basic Information, Manufacturing Base and Competitors
- Table 4. SOUTHCIP Major Business
- Table 5. SOUTHCIP Bidirectional Fast Charging Protocol Chip Product and Services
- Table 6. SOUTHCIP Bidirectional Fast Charging Protocol Chip Sales Quantity (K Pcs), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 7. SOUTHCIP Recent Developments/Updates
- Table 8. Chipsea Basic Information, Manufacturing Base and Competitors
- Table 9. Chipsea Major Business
- Table 10. Chipsea Bidirectional Fast Charging Protocol Chip Product and Services
- Table 11. Chipsea Bidirectional Fast Charging Protocol Chip Sales Quantity (K Pcs), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 12. Chipsea Recent Developments/Updates
- Table 13. WinChipHead (WCH) Basic Information, Manufacturing Base and Competitors
- Table 14. WinChipHead (WCH) Major Business
- Table 15. WinChipHead (WCH) Bidirectional Fast Charging Protocol Chip Product and Services
- Table 16. WinChipHead (WCH) Bidirectional Fast Charging Protocol Chip Sales Quantity (K Pcs), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 17. WinChipHead (WCH) Recent Developments/Updates
- Table 18. Silan Microelectronics Basic Information, Manufacturing Base and Competitors
- Table 19. Silan Microelectronics Major Business
- Table 20. Silan Microelectronics Bidirectional Fast Charging Protocol Chip Product and Services
- Table 21. Silan Microelectronics Bidirectional Fast Charging Protocol Chip Sales Quantity (K Pcs), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 22. Silan Microelectronics Recent Developments/Updates

Table 23. JADARD Basic Information, Manufacturing Base and Competitors

Table 24. JADARD Major Business

Table 25. JADARD Bidirectional Fast Charging Protocol Chip Product and Services

Table 26. JADARD Bidirectional Fast Charging Protocol Chip Sales Quantity (K Pcs), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 27. JADARD Recent Developments/Updates

Table 28. wpinno Basic Information, Manufacturing Base and Competitors

Table 29. wpinno Major Business

Table 30. wpinno Bidirectional Fast Charging Protocol Chip Product and Services

Table 31. wpinno Bidirectional Fast Charging Protocol Chip Sales Quantity (K Pcs), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 32. wpinno Recent Developments/Updates

Table 33. Injoinic Basic Information, Manufacturing Base and Competitors

Table 34. Injoinic Major Business

Table 35. Injoinic Bidirectional Fast Charging Protocol Chip Product and Services

Table 36. Injoinic Bidirectional Fast Charging Protocol Chip Sales Quantity (K Pcs), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 37. Injoinic Recent Developments/Updates

Table 38. iSmartWare Technology Basic Information, Manufacturing Base and Competitors

Table 39. iSmartWare Technology Major Business

Table 40. iSmartWare Technology Bidirectional Fast Charging Protocol Chip Product and Services

Table 41. iSmartWare Technology Bidirectional Fast Charging Protocol Chip Sales Quantity (K Pcs), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 42. iSmartWare Technology Recent Developments/Updates

Table 43. Texas Instruments Basic Information, Manufacturing Base and Competitors

Table 44. Texas Instruments Major Business

Table 45. Texas Instruments Bidirectional Fast Charging Protocol Chip Product and Services

Table 46. Texas Instruments Bidirectional Fast Charging Protocol Chip Sales Quantity (K Pcs), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 47. Texas Instruments Recent Developments/Updates

Table 48. STMicroelectronics Basic Information, Manufacturing Base and Competitors

Table 49. STMicroelectronics Major Business

Table 50. STMicroelectronics Bidirectional Fast Charging Protocol Chip Product and Services

Table 51. STMicroelectronics Bidirectional Fast Charging Protocol Chip Sales Quantity (K Pcs), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 52. STMicroelectronics Recent Developments/Updates

Table 53. onsemi Basic Information, Manufacturing Base and Competitors

Table 54. onsemi Major Business

Table 55. onsemi Bidirectional Fast Charging Protocol Chip Product and Services

Table 56. onsemi Bidirectional Fast Charging Protocol Chip Sales Quantity (K Pcs), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 57. onsemi Recent Developments/Updates

Table 58. Qualcomm Basic Information, Manufacturing Base and Competitors

Table 59. Qualcomm Major Business

Table 60. Qualcomm Bidirectional Fast Charging Protocol Chip Product and Services

Table 61. Qualcomm Bidirectional Fast Charging Protocol Chip Sales Quantity (K Pcs), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 62. Qualcomm Recent Developments/Updates

Table 63. Genesys Logic Basic Information, Manufacturing Base and Competitors

Table 64. Genesys Logic Major Business

Table 65. Genesys Logic Bidirectional Fast Charging Protocol Chip Product and Services

Table 66. Genesys Logic Bidirectional Fast Charging Protocol Chip Sales Quantity (K Pcs), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 67. Genesys Logic Recent Developments/Updates

Table 68. NXP Basic Information, Manufacturing Base and Competitors

Table 69. NXP Major Business

Table 70. NXP Bidirectional Fast Charging Protocol Chip Product and Services

Table 71. NXP Bidirectional Fast Charging Protocol Chip Sales Quantity (K Pcs), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 72. NXP Recent Developments/Updates

Table 73. Global Bidirectional Fast Charging Protocol Chip Sales Quantity by Manufacturer (2018-2023) & (K Pcs)

Table 74. Global Bidirectional Fast Charging Protocol Chip Revenue by Manufacturer (2018-2023) & (USD Million)

Table 75. Global Bidirectional Fast Charging Protocol Chip Average Price by Manufacturer (2018-2023) & (US\$/Piece)

Table 76. Market Position of Manufacturers in Bidirectional Fast Charging Protocol Chip, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2022

Table 77. Head Office and Bidirectional Fast Charging Protocol Chip Production Site of Key Manufacturer

Table 78. Bidirectional Fast Charging Protocol Chip Market: Company Product Type Footprint

Table 79. Bidirectional Fast Charging Protocol Chip Market: Company Product Application Footprint

Table 80. Bidirectional Fast Charging Protocol Chip New Market Entrants and Barriers to Market Entry

Table 81. Bidirectional Fast Charging Protocol Chip Mergers, Acquisition, Agreements, and Collaborations

Table 82. Global Bidirectional Fast Charging Protocol Chip Sales Quantity by Region (2018-2023) & (K Pcs)

Table 83. Global Bidirectional Fast Charging Protocol Chip Sales Quantity by Region (2024-2029) & (K Pcs)

Table 84. Global Bidirectional Fast Charging Protocol Chip Consumption Value by Region (2018-2023) & (USD Million)

Table 85. Global Bidirectional Fast Charging Protocol Chip Consumption Value by Region (2024-2029) & (USD Million)

Table 86. Global Bidirectional Fast Charging Protocol Chip Average Price by Region (2018-2023) & (US\$/Piece)

Table 87. Global Bidirectional Fast Charging Protocol Chip Average Price by Region (2024-2029) & (US\$/Piece)

Table 88. Global Bidirectional Fast Charging Protocol Chip Sales Quantity by Type (2018-2023) & (K Pcs)

Table 89. Global Bidirectional Fast Charging Protocol Chip Sales Quantity by Type (2024-2029) & (K Pcs)

Table 90. Global Bidirectional Fast Charging Protocol Chip Consumption Value by Type (2018-2023) & (USD Million)

Table 91. Global Bidirectional Fast Charging Protocol Chip Consumption Value by Type (2024-2029) & (USD Million)

Table 92. Global Bidirectional Fast Charging Protocol Chip Average Price by Type (2018-2023) & (US\$/Piece)

Table 93. Global Bidirectional Fast Charging Protocol Chip Average Price by Type

(2024-2029) & (US\$/Piece)

Table 94. Global Bidirectional Fast Charging Protocol Chip Sales Quantity by Application (2018-2023) & (K Pcs)

Table 95. Global Bidirectional Fast Charging Protocol Chip Sales Quantity by Application (2024-2029) & (K Pcs)

Table 96. Global Bidirectional Fast Charging Protocol Chip Consumption Value by Application (2018-2023) & (USD Million)

Table 97. Global Bidirectional Fast Charging Protocol Chip Consumption Value by Application (2024-2029) & (USD Million)

Table 98. Global Bidirectional Fast Charging Protocol Chip Average Price by Application (2018-2023) & (US\$/Piece)

Table 99. Global Bidirectional Fast Charging Protocol Chip Average Price by Application (2024-2029) & (US\$/Piece)

Table 100. North America Bidirectional Fast Charging Protocol Chip Sales Quantity by Type (2018-2023) & (K Pcs)

Table 101. North America Bidirectional Fast Charging Protocol Chip Sales Quantity by Type (2024-2029) & (K Pcs)

Table 102. North America Bidirectional Fast Charging Protocol Chip Sales Quantity by Application (2018-2023) & (K Pcs)

Table 103. North America Bidirectional Fast Charging Protocol Chip Sales Quantity by Application (2024-2029) & (K Pcs)

Table 104. North America Bidirectional Fast Charging Protocol Chip Sales Quantity by Country (2018-2023) & (K Pcs)

Table 105. North America Bidirectional Fast Charging Protocol Chip Sales Quantity by Country (2024-2029) & (K Pcs)

Table 106. North America Bidirectional Fast Charging Protocol Chip Consumption Value by Country (2018-2023) & (USD Million)

Table 107. North America Bidirectional Fast Charging Protocol Chip Consumption Value by Country (2024-2029) & (USD Million)

Table 108. Europe Bidirectional Fast Charging Protocol Chip Sales Quantity by Type (2018-2023) & (K Pcs)

Table 109. Europe Bidirectional Fast Charging Protocol Chip Sales Quantity by Type (2024-2029) & (K Pcs)

Table 110. Europe Bidirectional Fast Charging Protocol Chip Sales Quantity by Application (2018-2023) & (K Pcs)

Table 111. Europe Bidirectional Fast Charging Protocol Chip Sales Quantity by Application (2024-2029) & (K Pcs)

Table 112. Europe Bidirectional Fast Charging Protocol Chip Sales Quantity by Country (2018-2023) & (K Pcs)

Table 113. Europe Bidirectional Fast Charging Protocol Chip Sales Quantity by Country (2024-2029) & (K Pcs)

Table 114. Europe Bidirectional Fast Charging Protocol Chip Consumption Value by Country (2018-2023) & (USD Million)

Table 115. Europe Bidirectional Fast Charging Protocol Chip Consumption Value by Country (2024-2029) & (USD Million)

Table 116. Asia-Pacific Bidirectional Fast Charging Protocol Chip Sales Quantity by Type (2018-2023) & (K Pcs)

Table 117. Asia-Pacific Bidirectional Fast Charging Protocol Chip Sales Quantity by Type (2024-2029) & (K Pcs)

Table 118. Asia-Pacific Bidirectional Fast Charging Protocol Chip Sales Quantity by Application (2018-2023) & (K Pcs)

Table 119. Asia-Pacific Bidirectional Fast Charging Protocol Chip Sales Quantity by Application (2024-2029) & (K Pcs)

Table 120. Asia-Pacific Bidirectional Fast Charging Protocol Chip Sales Quantity by Region (2018-2023) & (K Pcs)

Table 121. Asia-Pacific Bidirectional Fast Charging Protocol Chip Sales Quantity by Region (2024-2029) & (K Pcs)

Table 122. Asia-Pacific Bidirectional Fast Charging Protocol Chip Consumption Value by Region (2018-2023) & (USD Million)

Table 123. Asia-Pacific Bidirectional Fast Charging Protocol Chip Consumption Value by Region (2024-2029) & (USD Million)

Table 124. South America Bidirectional Fast Charging Protocol Chip Sales Quantity by Type (2018-2023) & (K Pcs)

Table 125. South America Bidirectional Fast Charging Protocol Chip Sales Quantity by Type (2024-2029) & (K Pcs)

Table 126. South America Bidirectional Fast Charging Protocol Chip Sales Quantity by Application (2018-2023) & (K Pcs)

Table 127. South America Bidirectional Fast Charging Protocol Chip Sales Quantity by Application (2024-2029) & (K Pcs)

Table 128. South America Bidirectional Fast Charging Protocol Chip Sales Quantity by Country (2018-2023) & (K Pcs)

Table 129. South America Bidirectional Fast Charging Protocol Chip Sales Quantity by Country (2024-2029) & (K Pcs)

Table 130. South America Bidirectional Fast Charging Protocol Chip Consumption Value by Country (2018-2023) & (USD Million)

Table 131. South America Bidirectional Fast Charging Protocol Chip Consumption Value by Country (2024-2029) & (USD Million)

Table 132. Middle East & Africa Bidirectional Fast Charging Protocol Chip Sales

Quantity by Type (2018-2023) & (K Pcs)

Table 133. Middle East & Africa Bidirectional Fast Charging Protocol Chip Sales

Quantity by Type (2024-2029) & (K Pcs)

Table 134. Middle East & Africa Bidirectional Fast Charging Protocol Chip Sales

Quantity by Application (2018-2023) & (K Pcs)

Table 135. Middle East & Africa Bidirectional Fast Charging Protocol Chip Sales

Quantity by Application (2024-2029) & (K Pcs)

Table 136. Middle East & Africa Bidirectional Fast Charging Protocol Chip Sales

Quantity by Region (2018-2023) & (K Pcs)

Table 137. Middle East & Africa Bidirectional Fast Charging Protocol Chip Sales

Quantity by Region (2024-2029) & (K Pcs)

Table 138. Middle East & Africa Bidirectional Fast Charging Protocol Chip Consumption

Value by Region (2018-2023) & (USD Million)

Table 139. Middle East & Africa Bidirectional Fast Charging Protocol Chip Consumption

Value by Region (2024-2029) & (USD Million)

Table 140. Bidirectional Fast Charging Protocol Chip Raw Material

Table 141. Key Manufacturers of Bidirectional Fast Charging Protocol Chip Raw
Materials

Table 142. Bidirectional Fast Charging Protocol Chip Typical Distributors

Table 143. Bidirectional Fast Charging Protocol Chip Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Bidirectional Fast Charging Protocol Chip Picture
- Figure 2. Global Bidirectional Fast Charging Protocol Chip Consumption Value by Type, (USD Million), 2018 & 2022 & 2029
- Figure 3. Global Bidirectional Fast Charging Protocol Chip Consumption Value Market Share by Type in 2022
- Figure 4. Downstream Facing Port (DFP) Examples
- Figure 5. Upstream Facing Port (UFP) Examples
- Figure 6. Dual Role Port (DRP) Examples
- Figure 7. Global Bidirectional Fast Charging Protocol Chip Consumption Value by Application, (USD Million), 2018 & 2022 & 2029
- Figure 8. Global Bidirectional Fast Charging Protocol Chip Consumption Value Market Share by Application in 2022
- Figure 9. Electric Vehicle Examples
- Figure 10. Renewable Energy Examples
- Figure 11. Smart Home Appliances Examples
- Figure 12. Laptop Examples
- Figure 13. Others Examples
- Figure 14. Global Bidirectional Fast Charging Protocol Chip Consumption Value, (USD Million): 2018 & 2022 & 2029
- Figure 15. Global Bidirectional Fast Charging Protocol Chip Consumption Value and Forecast (2018-2029) & (USD Million)
- Figure 16. Global Bidirectional Fast Charging Protocol Chip Sales Quantity (2018-2029) & (K Pcs)
- Figure 17. Global Bidirectional Fast Charging Protocol Chip Average Price (2018-2029) & (US\$/Piece)
- Figure 18. Global Bidirectional Fast Charging Protocol Chip Sales Quantity Market Share by Manufacturer in 2022
- Figure 19. Global Bidirectional Fast Charging Protocol Chip Consumption Value Market Share by Manufacturer in 2022
- Figure 20. Producer Shipments of Bidirectional Fast Charging Protocol Chip by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2021
- Figure 21. Top 3 Bidirectional Fast Charging Protocol Chip Manufacturer (Consumption Value) Market Share in 2022
- Figure 22. Top 6 Bidirectional Fast Charging Protocol Chip Manufacturer (Consumption Value) Market Share in 2022

Figure 23. Global Bidirectional Fast Charging Protocol Chip Sales Quantity Market Share by Region (2018-2029)

Figure 24. Global Bidirectional Fast Charging Protocol Chip Consumption Value Market Share by Region (2018-2029)

Figure 25. North America Bidirectional Fast Charging Protocol Chip Consumption Value (2018-2029) & (USD Million)

Figure 26. Europe Bidirectional Fast Charging Protocol Chip Consumption Value (2018-2029) & (USD Million)

Figure 27. Asia-Pacific Bidirectional Fast Charging Protocol Chip Consumption Value (2018-2029) & (USD Million)

Figure 28. South America Bidirectional Fast Charging Protocol Chip Consumption Value (2018-2029) & (USD Million)

Figure 29. Middle East & Africa Bidirectional Fast Charging Protocol Chip Consumption Value (2018-2029) & (USD Million)

Figure 30. Global Bidirectional Fast Charging Protocol Chip Sales Quantity Market Share by Type (2018-2029)

Figure 31. Global Bidirectional Fast Charging Protocol Chip Consumption Value Market Share by Type (2018-2029)

Figure 32. Global Bidirectional Fast Charging Protocol Chip Average Price by Type (2018-2029) & (US\$/Piece)

Figure 33. Global Bidirectional Fast Charging Protocol Chip Sales Quantity Market Share by Application (2018-2029)

Figure 34. Global Bidirectional Fast Charging Protocol Chip Consumption Value Market Share by Application (2018-2029)

Figure 35. Global Bidirectional Fast Charging Protocol Chip Average Price by Application (2018-2029) & (US\$/Piece)

Figure 36. North America Bidirectional Fast Charging Protocol Chip Sales Quantity Market Share by Type (2018-2029)

Figure 37. North America Bidirectional Fast Charging Protocol Chip Sales Quantity Market Share by Application (2018-2029)

Figure 38. North America Bidirectional Fast Charging Protocol Chip Sales Quantity Market Share by Country (2018-2029)

Figure 39. North America Bidirectional Fast Charging Protocol Chip Consumption Value Market Share by Country (2018-2029)

Figure 40. United States Bidirectional Fast Charging Protocol Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 41. Canada Bidirectional Fast Charging Protocol Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 42. Mexico Bidirectional Fast Charging Protocol Chip Consumption Value and

Growth Rate (2018-2029) & (USD Million)

Figure 43. Europe Bidirectional Fast Charging Protocol Chip Sales Quantity Market Share by Type (2018-2029)

Figure 44. Europe Bidirectional Fast Charging Protocol Chip Sales Quantity Market Share by Application (2018-2029)

Figure 45. Europe Bidirectional Fast Charging Protocol Chip Sales Quantity Market Share by Country (2018-2029)

Figure 46. Europe Bidirectional Fast Charging Protocol Chip Consumption Value Market Share by Country (2018-2029)

Figure 47. Germany Bidirectional Fast Charging Protocol Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 48. France Bidirectional Fast Charging Protocol Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 49. United Kingdom Bidirectional Fast Charging Protocol Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 50. Russia Bidirectional Fast Charging Protocol Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 51. Italy Bidirectional Fast Charging Protocol Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 52. Asia-Pacific Bidirectional Fast Charging Protocol Chip Sales Quantity Market Share by Type (2018-2029)

Figure 53. Asia-Pacific Bidirectional Fast Charging Protocol Chip Sales Quantity Market Share by Application (2018-2029)

Figure 54. Asia-Pacific Bidirectional Fast Charging Protocol Chip Sales Quantity Market Share by Region (2018-2029)

Figure 55. Asia-Pacific Bidirectional Fast Charging Protocol Chip Consumption Value Market Share by Region (2018-2029)

Figure 56. China Bidirectional Fast Charging Protocol Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 57. Japan Bidirectional Fast Charging Protocol Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 58. Korea Bidirectional Fast Charging Protocol Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 59. India Bidirectional Fast Charging Protocol Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 60. Southeast Asia Bidirectional Fast Charging Protocol Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 61. Australia Bidirectional Fast Charging Protocol Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 62. South America Bidirectional Fast Charging Protocol Chip Sales Quantity Market Share by Type (2018-2029)

Figure 63. South America Bidirectional Fast Charging Protocol Chip Sales Quantity Market Share by Application (2018-2029)

Figure 64. South America Bidirectional Fast Charging Protocol Chip Sales Quantity Market Share by Country (2018-2029)

Figure 65. South America Bidirectional Fast Charging Protocol Chip Consumption Value Market Share by Country (2018-2029)

Figure 66. Brazil Bidirectional Fast Charging Protocol Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 67. Argentina Bidirectional Fast Charging Protocol Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 68. Middle East & Africa Bidirectional Fast Charging Protocol Chip Sales Quantity Market Share by Type (2018-2029)

Figure 69. Middle East & Africa Bidirectional Fast Charging Protocol Chip Sales Quantity Market Share by Application (2018-2029)

Figure 70. Middle East & Africa Bidirectional Fast Charging Protocol Chip Sales Quantity Market Share by Region (2018-2029)

Figure 71. Middle East & Africa Bidirectional Fast Charging Protocol Chip Consumption Value Market Share by Region (2018-2029)

Figure 72. Turkey Bidirectional Fast Charging Protocol Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 73. Egypt Bidirectional Fast Charging Protocol Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 74. Saudi Arabia Bidirectional Fast Charging Protocol Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 75. South Africa Bidirectional Fast Charging Protocol Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 76. Bidirectional Fast Charging Protocol Chip Market Drivers

Figure 77. Bidirectional Fast Charging Protocol Chip Market Restraints

Figure 78. Bidirectional Fast Charging Protocol Chip Market Trends

Figure 79. Porters Five Forces Analysis

Figure 80. Manufacturing Cost Structure Analysis of Bidirectional Fast Charging Protocol Chip in 2022

Figure 81. Manufacturing Process Analysis of Bidirectional Fast Charging Protocol Chip

Figure 82. Bidirectional Fast Charging Protocol Chip Industrial Chain

Figure 83. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 84. Direct Channel Pros & Cons

Figure 85. Indirect Channel Pros & Cons

Figure 86. Methodology

Figure 87. Research Process and Data Source

I would like to order

Product name: Global Bidirectional Fast Charging Protocol Chip Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

Product link: <https://marketpublishers.com/r/G6B2D7B2EA3FEN.html>

Price: US\$ 3,480.00 (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/G6B2D7B2EA3FEN.html>