

Global P-Type Crystalline Silicon Battery Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

<https://marketpublishers.com/r/GBFE5BE2B8A9EN.html>

Date: June 2023

Pages: 105

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

ID: GBFE5BE2B8A9EN

Abstracts

According to our (Global Info Research) latest study, the global P-Type Crystalline Silicon Battery 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. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

This report is a detailed and comprehensive analysis for global P-Type Crystalline Silicon Battery 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 2023, are provided.

Key Features:

Global P-Type Crystalline Silicon Battery market size and forecasts, in consumption value (\$ Million), sales quantity (MW), and average selling prices (US\$/KW), 2018-2029

Global P-Type Crystalline Silicon Battery market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (MW), and average selling prices (US\$/KW), 2018-2029

Global P-Type Crystalline Silicon Battery market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (MW), and average selling

prices (US\$/KW), 2018-2029

Global P-Type Crystalline Silicon Battery market shares of main players, shipments in revenue (\$ Million), sales quantity (MW), and ASP (US\$/KW), 2018-2023

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 P-Type Crystalline Silicon Battery

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 P-Type Crystalline Silicon Battery 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 Hanwha Solutions, JA Solar Technology, Tongwei, Shanghai Aiko Solar Energy and LONGI, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Market Segmentation

P-Type Crystalline Silicon Battery 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. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

BSF Battery (Conventional Aluminum Back Field)

PERC Cells (Passivated Emitter and Back Contact)

Market segment by Application

Commercial

Household

Major players covered

Hanwha Solutions

JA Solar Technology

Tongwei

Shanghai Aiko Solar Energy

LONGI

Jiangsu Runergy New Energy Technology

Jinko Solar

Jiangsu Zhongrun Solar Technology Development

Trina Solar

SunPower

Seraphim

LG

GCL System

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 P-Type Crystalline Silicon Battery product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of P-Type Crystalline Silicon Battery, with price, sales, revenue and global market share of P-Type Crystalline Silicon Battery from 2018 to 2023.

Chapter 3, the P-Type Crystalline Silicon Battery competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the P-Type Crystalline Silicon Battery 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 P-Type Crystalline Silicon Battery 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 P-Type Crystalline Silicon Battery.

Chapter 14 and 15, to describe P-Type Crystalline Silicon Battery sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of P-Type Crystalline Silicon Battery
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
 - 1.3.1 Overview: Global P-Type Crystalline Silicon Battery Consumption Value by Type: 2018 Versus 2022 Versus 2029
 - 1.3.2 BSF Battery (Conventional Aluminum Back Field)
 - 1.3.3 PERC Cells (Passivated Emitter and Back Contact)
- 1.4 Market Analysis by Application
 - 1.4.1 Overview: Global P-Type Crystalline Silicon Battery Consumption Value by Application: 2018 Versus 2022 Versus 2029
 - 1.4.2 Commercial
 - 1.4.3 Household
- 1.5 Global P-Type Crystalline Silicon Battery Market Size & Forecast
 - 1.5.1 Global P-Type Crystalline Silicon Battery Consumption Value (2018 & 2022 & 2029)
 - 1.5.2 Global P-Type Crystalline Silicon Battery Sales Quantity (2018-2029)
 - 1.5.3 Global P-Type Crystalline Silicon Battery Average Price (2018-2029)

2 MANUFACTURERS PROFILES

- 2.1 Hanwha Solutions
 - 2.1.1 Hanwha Solutions Details
 - 2.1.2 Hanwha Solutions Major Business
 - 2.1.3 Hanwha Solutions P-Type Crystalline Silicon Battery Product and Services
 - 2.1.4 Hanwha Solutions P-Type Crystalline Silicon Battery Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.1.5 Hanwha Solutions Recent Developments/Updates
- 2.2 JA Solar Technology
 - 2.2.1 JA Solar Technology Details
 - 2.2.2 JA Solar Technology Major Business
 - 2.2.3 JA Solar Technology P-Type Crystalline Silicon Battery Product and Services
 - 2.2.4 JA Solar Technology P-Type Crystalline Silicon Battery Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.2.5 JA Solar Technology Recent Developments/Updates
- 2.3 Tongwei

- 2.3.1 Tongwei Details
- 2.3.2 Tongwei Major Business
- 2.3.3 Tongwei P-Type Crystalline Silicon Battery Product and Services
- 2.3.4 Tongwei P-Type Crystalline Silicon Battery Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.3.5 Tongwei Recent Developments/Updates
- 2.4 Shanghai Aiko Solar Energy
 - 2.4.1 Shanghai Aiko Solar Energy Details
 - 2.4.2 Shanghai Aiko Solar Energy Major Business
 - 2.4.3 Shanghai Aiko Solar Energy P-Type Crystalline Silicon Battery Product and Services
 - 2.4.4 Shanghai Aiko Solar Energy P-Type Crystalline Silicon Battery Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.4.5 Shanghai Aiko Solar Energy Recent Developments/Updates
- 2.5 LONGI
 - 2.5.1 LONGI Details
 - 2.5.2 LONGI Major Business
 - 2.5.3 LONGI P-Type Crystalline Silicon Battery Product and Services
 - 2.5.4 LONGI P-Type Crystalline Silicon Battery Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.5.5 LONGI Recent Developments/Updates
- 2.6 Jiangsu Runergy New Energy Technology
 - 2.6.1 Jiangsu Runergy New Energy Technology Details
 - 2.6.2 Jiangsu Runergy New Energy Technology Major Business
 - 2.6.3 Jiangsu Runergy New Energy Technology P-Type Crystalline Silicon Battery Product and Services
 - 2.6.4 Jiangsu Runergy New Energy Technology P-Type Crystalline Silicon Battery Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.6.5 Jiangsu Runergy New Energy Technology Recent Developments/Updates
- 2.7 Jinko Solar
 - 2.7.1 Jinko Solar Details
 - 2.7.2 Jinko Solar Major Business
 - 2.7.3 Jinko Solar P-Type Crystalline Silicon Battery Product and Services
 - 2.7.4 Jinko Solar P-Type Crystalline Silicon Battery Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.7.5 Jinko Solar Recent Developments/Updates
- 2.8 Jiangsu Zhongrun Solar Technology Development
 - 2.8.1 Jiangsu Zhongrun Solar Technology Development Details
 - 2.8.2 Jiangsu Zhongrun Solar Technology Development Major Business

2.8.3 Jiangsu Zhongrun Solar Technology Development P-Type Crystalline Silicon Battery Product and Services

2.8.4 Jiangsu Zhongrun Solar Technology Development P-Type Crystalline Silicon Battery Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.8.5 Jiangsu Zhongrun Solar Technology Development Recent Developments/Updates

2.9 Trina Solar

2.9.1 Trina Solar Details

2.9.2 Trina Solar Major Business

2.9.3 Trina Solar P-Type Crystalline Silicon Battery Product and Services

2.9.4 Trina Solar P-Type Crystalline Silicon Battery Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.9.5 Trina Solar Recent Developments/Updates

2.10 SunPower

2.10.1 SunPower Details

2.10.2 SunPower Major Business

2.10.3 SunPower P-Type Crystalline Silicon Battery Product and Services

2.10.4 SunPower P-Type Crystalline Silicon Battery Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.10.5 SunPower Recent Developments/Updates

2.11 Seraphim

2.11.1 Seraphim Details

2.11.2 Seraphim Major Business

2.11.3 Seraphim P-Type Crystalline Silicon Battery Product and Services

2.11.4 Seraphim P-Type Crystalline Silicon Battery Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.11.5 Seraphim Recent Developments/Updates

2.12 LG

2.12.1 LG Details

2.12.2 LG Major Business

2.12.3 LG P-Type Crystalline Silicon Battery Product and Services

2.12.4 LG P-Type Crystalline Silicon Battery Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.12.5 LG Recent Developments/Updates

2.13 GCL System

2.13.1 GCL System Details

2.13.2 GCL System Major Business

2.13.3 GCL System P-Type Crystalline Silicon Battery Product and Services

2.13.4 GCL System P-Type Crystalline Silicon Battery Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.13.5 GCL System Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: P-TYPE CRYSTALLINE SILICON BATTERY BY MANUFACTURER

3.1 Global P-Type Crystalline Silicon Battery Sales Quantity by Manufacturer (2018-2023)

3.2 Global P-Type Crystalline Silicon Battery Revenue by Manufacturer (2018-2023)

3.3 Global P-Type Crystalline Silicon Battery Average Price by Manufacturer (2018-2023)

3.4 Market Share Analysis (2022)

3.4.1 Producer Shipments of P-Type Crystalline Silicon Battery by Manufacturer Revenue (\$MM) and Market Share (%): 2022

3.4.2 Top 3 P-Type Crystalline Silicon Battery Manufacturer Market Share in 2022

3.4.2 Top 6 P-Type Crystalline Silicon Battery Manufacturer Market Share in 2022

3.5 P-Type Crystalline Silicon Battery Market: Overall Company Footprint Analysis

3.5.1 P-Type Crystalline Silicon Battery Market: Region Footprint

3.5.2 P-Type Crystalline Silicon Battery Market: Company Product Type Footprint

3.5.3 P-Type Crystalline Silicon Battery 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 P-Type Crystalline Silicon Battery Market Size by Region

4.1.1 Global P-Type Crystalline Silicon Battery Sales Quantity by Region (2018-2029)

4.1.2 Global P-Type Crystalline Silicon Battery Consumption Value by Region (2018-2029)

4.1.3 Global P-Type Crystalline Silicon Battery Average Price by Region (2018-2029)

4.2 North America P-Type Crystalline Silicon Battery Consumption Value (2018-2029)

4.3 Europe P-Type Crystalline Silicon Battery Consumption Value (2018-2029)

4.4 Asia-Pacific P-Type Crystalline Silicon Battery Consumption Value (2018-2029)

4.5 South America P-Type Crystalline Silicon Battery Consumption Value (2018-2029)

4.6 Middle East and Africa P-Type Crystalline Silicon Battery Consumption Value (2018-2029)

5 MARKET SEGMENT BY TYPE

- 5.1 Global P-Type Crystalline Silicon Battery Sales Quantity by Type (2018-2029)
- 5.2 Global P-Type Crystalline Silicon Battery Consumption Value by Type (2018-2029)
- 5.3 Global P-Type Crystalline Silicon Battery Average Price by Type (2018-2029)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global P-Type Crystalline Silicon Battery Sales Quantity by Application (2018-2029)
- 6.2 Global P-Type Crystalline Silicon Battery Consumption Value by Application (2018-2029)
- 6.3 Global P-Type Crystalline Silicon Battery Average Price by Application (2018-2029)

7 NORTH AMERICA

- 7.1 North America P-Type Crystalline Silicon Battery Sales Quantity by Type (2018-2029)
- 7.2 North America P-Type Crystalline Silicon Battery Sales Quantity by Application (2018-2029)
- 7.3 North America P-Type Crystalline Silicon Battery Market Size by Country
 - 7.3.1 North America P-Type Crystalline Silicon Battery Sales Quantity by Country (2018-2029)
 - 7.3.2 North America P-Type Crystalline Silicon Battery 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 P-Type Crystalline Silicon Battery Sales Quantity by Type (2018-2029)
- 8.2 Europe P-Type Crystalline Silicon Battery Sales Quantity by Application (2018-2029)
- 8.3 Europe P-Type Crystalline Silicon Battery Market Size by Country
 - 8.3.1 Europe P-Type Crystalline Silicon Battery Sales Quantity by Country (2018-2029)
 - 8.3.2 Europe P-Type Crystalline Silicon Battery 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 P-Type Crystalline Silicon Battery Sales Quantity by Type (2018-2029)
- 9.2 Asia-Pacific P-Type Crystalline Silicon Battery Sales Quantity by Application (2018-2029)
- 9.3 Asia-Pacific P-Type Crystalline Silicon Battery Market Size by Region
 - 9.3.1 Asia-Pacific P-Type Crystalline Silicon Battery Sales Quantity by Region (2018-2029)
 - 9.3.2 Asia-Pacific P-Type Crystalline Silicon Battery 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 P-Type Crystalline Silicon Battery Sales Quantity by Type (2018-2029)
- 10.2 South America P-Type Crystalline Silicon Battery Sales Quantity by Application (2018-2029)
- 10.3 South America P-Type Crystalline Silicon Battery Market Size by Country
 - 10.3.1 South America P-Type Crystalline Silicon Battery Sales Quantity by Country (2018-2029)
 - 10.3.2 South America P-Type Crystalline Silicon Battery 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 P-Type Crystalline Silicon Battery Sales Quantity by Type

(2018-2029)

11.2 Middle East & Africa P-Type Crystalline Silicon Battery Sales Quantity by Application (2018-2029)

11.3 Middle East & Africa P-Type Crystalline Silicon Battery Market Size by Country

11.3.1 Middle East & Africa P-Type Crystalline Silicon Battery Sales Quantity by Country (2018-2029)

11.3.2 Middle East & Africa P-Type Crystalline Silicon Battery 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 P-Type Crystalline Silicon Battery Market Drivers

12.2 P-Type Crystalline Silicon Battery Market Restraints

12.3 P-Type Crystalline Silicon Battery 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 P-Type Crystalline Silicon Battery and Key Manufacturers

13.2 Manufacturing Costs Percentage of P-Type Crystalline Silicon Battery

13.3 P-Type Crystalline Silicon Battery Production Process

13.4 P-Type Crystalline Silicon Battery Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 P-Type Crystalline Silicon Battery Typical Distributors

14.3 P-Type Crystalline Silicon Battery 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 P-Type Crystalline Silicon Battery Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Table 2. Global P-Type Crystalline Silicon Battery Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Table 3. Hanwha Solutions Basic Information, Manufacturing Base and Competitors

Table 4. Hanwha Solutions Major Business

Table 5. Hanwha Solutions P-Type Crystalline Silicon Battery Product and Services

Table 6. Hanwha Solutions P-Type Crystalline Silicon Battery Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 7. Hanwha Solutions Recent Developments/Updates

Table 8. JA Solar Technology Basic Information, Manufacturing Base and Competitors

Table 9. JA Solar Technology Major Business

Table 10. JA Solar Technology P-Type Crystalline Silicon Battery Product and Services

Table 11. JA Solar Technology P-Type Crystalline Silicon Battery Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 12. JA Solar Technology Recent Developments/Updates

Table 13. Tongwei Basic Information, Manufacturing Base and Competitors

Table 14. Tongwei Major Business

Table 15. Tongwei P-Type Crystalline Silicon Battery Product and Services

Table 16. Tongwei P-Type Crystalline Silicon Battery Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 17. Tongwei Recent Developments/Updates

Table 18. Shanghai Aiko Solar Energy Basic Information, Manufacturing Base and Competitors

Table 19. Shanghai Aiko Solar Energy Major Business

Table 20. Shanghai Aiko Solar Energy P-Type Crystalline Silicon Battery Product and Services

Table 21. Shanghai Aiko Solar Energy P-Type Crystalline Silicon Battery Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 22. Shanghai Aiko Solar Energy Recent Developments/Updates

Table 23. LONGI Basic Information, Manufacturing Base and Competitors

Table 24. LONGI Major Business

- Table 25. LONGI P-Type Crystalline Silicon Battery Product and Services
- Table 26. LONGI P-Type Crystalline Silicon Battery Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 27. LONGI Recent Developments/Updates
- Table 28. Jiangsu Runergy New Energy Technology Basic Information, Manufacturing Base and Competitors
- Table 29. Jiangsu Runergy New Energy Technology Major Business
- Table 30. Jiangsu Runergy New Energy Technology P-Type Crystalline Silicon Battery Product and Services
- Table 31. Jiangsu Runergy New Energy Technology P-Type Crystalline Silicon Battery Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 32. Jiangsu Runergy New Energy Technology Recent Developments/Updates
- Table 33. Jinko Solar Basic Information, Manufacturing Base and Competitors
- Table 34. Jinko Solar Major Business
- Table 35. Jinko Solar P-Type Crystalline Silicon Battery Product and Services
- Table 36. Jinko Solar P-Type Crystalline Silicon Battery Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 37. Jinko Solar Recent Developments/Updates
- Table 38. Jiangsu Zhongrun Solar Technology Development Basic Information, Manufacturing Base and Competitors
- Table 39. Jiangsu Zhongrun Solar Technology Development Major Business
- Table 40. Jiangsu Zhongrun Solar Technology Development P-Type Crystalline Silicon Battery Product and Services
- Table 41. Jiangsu Zhongrun Solar Technology Development P-Type Crystalline Silicon Battery Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 42. Jiangsu Zhongrun Solar Technology Development Recent Developments/Updates
- Table 43. Trina Solar Basic Information, Manufacturing Base and Competitors
- Table 44. Trina Solar Major Business
- Table 45. Trina Solar P-Type Crystalline Silicon Battery Product and Services
- Table 46. Trina Solar P-Type Crystalline Silicon Battery Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 47. Trina Solar Recent Developments/Updates
- Table 48. SunPower Basic Information, Manufacturing Base and Competitors
- Table 49. SunPower Major Business
- Table 50. SunPower P-Type Crystalline Silicon Battery Product and Services
- Table 51. SunPower P-Type Crystalline Silicon Battery Sales Quantity (MW), Average

Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 52. SunPower Recent Developments/Updates

Table 53. Seraphim Basic Information, Manufacturing Base and Competitors

Table 54. Seraphim Major Business

Table 55. Seraphim P-Type Crystalline Silicon Battery Product and Services

Table 56. Seraphim P-Type Crystalline Silicon Battery Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 57. Seraphim Recent Developments/Updates

Table 58. LG Basic Information, Manufacturing Base and Competitors

Table 59. LG Major Business

Table 60. LG P-Type Crystalline Silicon Battery Product and Services

Table 61. LG P-Type Crystalline Silicon Battery Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 62. LG Recent Developments/Updates

Table 63. GCL System Basic Information, Manufacturing Base and Competitors

Table 64. GCL System Major Business

Table 65. GCL System P-Type Crystalline Silicon Battery Product and Services

Table 66. GCL System P-Type Crystalline Silicon Battery Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 67. GCL System Recent Developments/Updates

Table 68. Global P-Type Crystalline Silicon Battery Sales Quantity by Manufacturer (2018-2023) & (MW)

Table 69. Global P-Type Crystalline Silicon Battery Revenue by Manufacturer (2018-2023) & (USD Million)

Table 70. Global P-Type Crystalline Silicon Battery Average Price by Manufacturer (2018-2023) & (US\$/KW)

Table 71. Market Position of Manufacturers in P-Type Crystalline Silicon Battery, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2022

Table 72. Head Office and P-Type Crystalline Silicon Battery Production Site of Key Manufacturer

Table 73. P-Type Crystalline Silicon Battery Market: Company Product Type Footprint

Table 74. P-Type Crystalline Silicon Battery Market: Company Product Application Footprint

Table 75. P-Type Crystalline Silicon Battery New Market Entrants and Barriers to Market Entry

Table 76. P-Type Crystalline Silicon Battery Mergers, Acquisition, Agreements, and Collaborations

Table 77. Global P-Type Crystalline Silicon Battery Sales Quantity by Region

(2018-2023) & (MW)

Table 78. Global P-Type Crystalline Silicon Battery Sales Quantity by Region

(2024-2029) & (MW)

Table 79. Global P-Type Crystalline Silicon Battery Consumption Value by Region

(2018-2023) & (USD Million)

Table 80. Global P-Type Crystalline Silicon Battery Consumption Value by Region

(2024-2029) & (USD Million)

Table 81. Global P-Type Crystalline Silicon Battery Average Price by Region

(2018-2023) & (US\$/KW)

Table 82. Global P-Type Crystalline Silicon Battery Average Price by Region

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

Table 83. Global P-Type Crystalline Silicon Battery Sales Quantity by Type (2018-2023)
& (MW)

Table 84. Global P-Type Crystalline Silicon Battery Sales Quantity by Type (2024-2029)
& (MW)

Table 85. Global P-Type Crystalline Silicon Battery Consumption Value by Type
(2018-2023) & (USD Million)

Table 86. Global P-Type Crystalline Silicon Battery Consumption Value by Type
(2024-2029) & (USD Million)

Table 87. Global P-Type Crystalline Silicon Battery Average Price by Type (2018-2023)
& (US\$/KW)

Table 88. Global P-Type Crystalline Silicon Battery Average Price by Type (2024-2029)
& (US\$/KW)

Table 89. Global P-Type Crystalline Silicon Battery Sales Quantity by Application
(2018-2023) & (MW)

Table 90. Global P-Type Crystalline Silicon Battery Sales Quantity by Application
(2024-2029) & (MW)

Table 91. Global P-Type Crystalline Silicon Battery Consumption Value by Application
(2018-2023) & (USD Million)

Table 92. Global P-Type Crystalline Silicon Battery Consumption Value by Application
(2024-2029) & (USD Million)

Table 93. Global P-Type Crystalline Silicon Battery Average Price by Application
(2018-2023) & (US\$/KW)

Table 94. Global P-Type Crystalline Silicon Battery Average Price by Application
(2024-2029) & (US\$/KW)

Table 95. North America P-Type Crystalline Silicon Battery Sales Quantity by Type
(2018-2023) & (MW)

Table 96. North America P-Type Crystalline Silicon Battery Sales Quantity by Type
(2024-2029) & (MW)

Table 97. North America P-Type Crystalline Silicon Battery Sales Quantity by Application (2018-2023) & (MW)

Table 98. North America P-Type Crystalline Silicon Battery Sales Quantity by Application (2024-2029) & (MW)

Table 99. North America P-Type Crystalline Silicon Battery Sales Quantity by Country (2018-2023) & (MW)

Table 100. North America P-Type Crystalline Silicon Battery Sales Quantity by Country (2024-2029) & (MW)

Table 101. North America P-Type Crystalline Silicon Battery Consumption Value by Country (2018-2023) & (USD Million)

Table 102. North America P-Type Crystalline Silicon Battery Consumption Value by Country (2024-2029) & (USD Million)

Table 103. Europe P-Type Crystalline Silicon Battery Sales Quantity by Type (2018-2023) & (MW)

Table 104. Europe P-Type Crystalline Silicon Battery Sales Quantity by Type (2024-2029) & (MW)

Table 105. Europe P-Type Crystalline Silicon Battery Sales Quantity by Application (2018-2023) & (MW)

Table 106. Europe P-Type Crystalline Silicon Battery Sales Quantity by Application (2024-2029) & (MW)

Table 107. Europe P-Type Crystalline Silicon Battery Sales Quantity by Country (2018-2023) & (MW)

Table 108. Europe P-Type Crystalline Silicon Battery Sales Quantity by Country (2024-2029) & (MW)

Table 109. Europe P-Type Crystalline Silicon Battery Consumption Value by Country (2018-2023) & (USD Million)

Table 110. Europe P-Type Crystalline Silicon Battery Consumption Value by Country (2024-2029) & (USD Million)

Table 111. Asia-Pacific P-Type Crystalline Silicon Battery Sales Quantity by Type (2018-2023) & (MW)

Table 112. Asia-Pacific P-Type Crystalline Silicon Battery Sales Quantity by Type (2024-2029) & (MW)

Table 113. Asia-Pacific P-Type Crystalline Silicon Battery Sales Quantity by Application (2018-2023) & (MW)

Table 114. Asia-Pacific P-Type Crystalline Silicon Battery Sales Quantity by Application (2024-2029) & (MW)

Table 115. Asia-Pacific P-Type Crystalline Silicon Battery Sales Quantity by Region (2018-2023) & (MW)

Table 116. Asia-Pacific P-Type Crystalline Silicon Battery Sales Quantity by Region

(2024-2029) & (MW)

Table 117. Asia-Pacific P-Type Crystalline Silicon Battery Consumption Value by Region (2018-2023) & (USD Million)

Table 118. Asia-Pacific P-Type Crystalline Silicon Battery Consumption Value by Region (2024-2029) & (USD Million)

Table 119. South America P-Type Crystalline Silicon Battery Sales Quantity by Type (2018-2023) & (MW)

Table 120. South America P-Type Crystalline Silicon Battery Sales Quantity by Type (2024-2029) & (MW)

Table 121. South America P-Type Crystalline Silicon Battery Sales Quantity by Application (2018-2023) & (MW)

Table 122. South America P-Type Crystalline Silicon Battery Sales Quantity by Application (2024-2029) & (MW)

Table 123. South America P-Type Crystalline Silicon Battery Sales Quantity by Country (2018-2023) & (MW)

Table 124. South America P-Type Crystalline Silicon Battery Sales Quantity by Country (2024-2029) & (MW)

Table 125. South America P-Type Crystalline Silicon Battery Consumption Value by Country (2018-2023) & (USD Million)

Table 126. South America P-Type Crystalline Silicon Battery Consumption Value by Country (2024-2029) & (USD Million)

Table 127. Middle East & Africa P-Type Crystalline Silicon Battery Sales Quantity by Type (2018-2023) & (MW)

Table 128. Middle East & Africa P-Type Crystalline Silicon Battery Sales Quantity by Type (2024-2029) & (MW)

Table 129. Middle East & Africa P-Type Crystalline Silicon Battery Sales Quantity by Application (2018-2023) & (MW)

Table 130. Middle East & Africa P-Type Crystalline Silicon Battery Sales Quantity by Application (2024-2029) & (MW)

Table 131. Middle East & Africa P-Type Crystalline Silicon Battery Sales Quantity by Region (2018-2023) & (MW)

Table 132. Middle East & Africa P-Type Crystalline Silicon Battery Sales Quantity by Region (2024-2029) & (MW)

Table 133. Middle East & Africa P-Type Crystalline Silicon Battery Consumption Value by Region (2018-2023) & (USD Million)

Table 134. Middle East & Africa P-Type Crystalline Silicon Battery Consumption Value by Region (2024-2029) & (USD Million)

Table 135. P-Type Crystalline Silicon Battery Raw Material

Table 136. Key Manufacturers of P-Type Crystalline Silicon Battery Raw Materials

Table 137. P-Type Crystalline Silicon Battery Typical Distributors

Table 138. P-Type Crystalline Silicon Battery Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. P-Type Crystalline Silicon Battery Picture

Figure 2. Global P-Type Crystalline Silicon Battery Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 3. Global P-Type Crystalline Silicon Battery Consumption Value Market Share by Type in 2022

Figure 4. BSF Battery (Conventional Aluminum Back Field) Examples

Figure 5. PERC Cells (Passivated Emitter and Back Contact) Examples

Figure 6. Global P-Type Crystalline Silicon Battery Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 7. Global P-Type Crystalline Silicon Battery Consumption Value Market Share by Application in 2022

Figure 8. Commercial Examples

Figure 9. Household Examples

Figure 10. Global P-Type Crystalline Silicon Battery Consumption Value, (USD Million): 2018 & 2022 & 2029

Figure 11. Global P-Type Crystalline Silicon Battery Consumption Value and Forecast (2018-2029) & (USD Million)

Figure 12. Global P-Type Crystalline Silicon Battery Sales Quantity (2018-2029) & (MW)

Figure 13. Global P-Type Crystalline Silicon Battery Average Price (2018-2029) & (US\$/KW)

Figure 14. Global P-Type Crystalline Silicon Battery Sales Quantity Market Share by Manufacturer in 2022

Figure 15. Global P-Type Crystalline Silicon Battery Consumption Value Market Share by Manufacturer in 2022

Figure 16. Producer Shipments of P-Type Crystalline Silicon Battery by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2021

Figure 17. Top 3 P-Type Crystalline Silicon Battery Manufacturer (Consumption Value) Market Share in 2022

Figure 18. Top 6 P-Type Crystalline Silicon Battery Manufacturer (Consumption Value) Market Share in 2022

Figure 19. Global P-Type Crystalline Silicon Battery Sales Quantity Market Share by Region (2018-2029)

Figure 20. Global P-Type Crystalline Silicon Battery Consumption Value Market Share by Region (2018-2029)

Figure 21. North America P-Type Crystalline Silicon Battery Consumption Value

(2018-2029) & (USD Million)

Figure 22. Europe P-Type Crystalline Silicon Battery Consumption Value (2018-2029) & (USD Million)

Figure 23. Asia-Pacific P-Type Crystalline Silicon Battery Consumption Value (2018-2029) & (USD Million)

Figure 24. South America P-Type Crystalline Silicon Battery Consumption Value (2018-2029) & (USD Million)

Figure 25. Middle East & Africa P-Type Crystalline Silicon Battery Consumption Value (2018-2029) & (USD Million)

Figure 26. Global P-Type Crystalline Silicon Battery Sales Quantity Market Share by Type (2018-2029)

Figure 27. Global P-Type Crystalline Silicon Battery Consumption Value Market Share by Type (2018-2029)

Figure 28. Global P-Type Crystalline Silicon Battery Average Price by Type (2018-2029) & (US\$/KW)

Figure 29. Global P-Type Crystalline Silicon Battery Sales Quantity Market Share by Application (2018-2029)

Figure 30. Global P-Type Crystalline Silicon Battery Consumption Value Market Share by Application (2018-2029)

Figure 31. Global P-Type Crystalline Silicon Battery Average Price by Application (2018-2029) & (US\$/KW)

Figure 32. North America P-Type Crystalline Silicon Battery Sales Quantity Market Share by Type (2018-2029)

Figure 33. North America P-Type Crystalline Silicon Battery Sales Quantity Market Share by Application (2018-2029)

Figure 34. North America P-Type Crystalline Silicon Battery Sales Quantity Market Share by Country (2018-2029)

Figure 35. North America P-Type Crystalline Silicon Battery Consumption Value Market Share by Country (2018-2029)

Figure 36. United States P-Type Crystalline Silicon Battery Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 37. Canada P-Type Crystalline Silicon Battery Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 38. Mexico P-Type Crystalline Silicon Battery Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 39. Europe P-Type Crystalline Silicon Battery Sales Quantity Market Share by Type (2018-2029)

Figure 40. Europe P-Type Crystalline Silicon Battery Sales Quantity Market Share by Application (2018-2029)

Figure 41. Europe P-Type Crystalline Silicon Battery Sales Quantity Market Share by Country (2018-2029)

Figure 42. Europe P-Type Crystalline Silicon Battery Consumption Value Market Share by Country (2018-2029)

Figure 43. Germany P-Type Crystalline Silicon Battery Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 44. France P-Type Crystalline Silicon Battery Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 45. United Kingdom P-Type Crystalline Silicon Battery Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 46. Russia P-Type Crystalline Silicon Battery Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 47. Italy P-Type Crystalline Silicon Battery Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 48. Asia-Pacific P-Type Crystalline Silicon Battery Sales Quantity Market Share by Type (2018-2029)

Figure 49. Asia-Pacific P-Type Crystalline Silicon Battery Sales Quantity Market Share by Application (2018-2029)

Figure 50. Asia-Pacific P-Type Crystalline Silicon Battery Sales Quantity Market Share by Region (2018-2029)

Figure 51. Asia-Pacific P-Type Crystalline Silicon Battery Consumption Value Market Share by Region (2018-2029)

Figure 52. China P-Type Crystalline Silicon Battery Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 53. Japan P-Type Crystalline Silicon Battery Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 54. Korea P-Type Crystalline Silicon Battery Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 55. India P-Type Crystalline Silicon Battery Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 56. Southeast Asia P-Type Crystalline Silicon Battery Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 57. Australia P-Type Crystalline Silicon Battery Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 58. South America P-Type Crystalline Silicon Battery Sales Quantity Market Share by Type (2018-2029)

Figure 59. South America P-Type Crystalline Silicon Battery Sales Quantity Market Share by Application (2018-2029)

Figure 60. South America P-Type Crystalline Silicon Battery Sales Quantity Market

Share by Country (2018-2029)

Figure 61. South America P-Type Crystalline Silicon Battery Consumption Value Market Share by Country (2018-2029)

Figure 62. Brazil P-Type Crystalline Silicon Battery Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 63. Argentina P-Type Crystalline Silicon Battery Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 64. Middle East & Africa P-Type Crystalline Silicon Battery Sales Quantity Market Share by Type (2018-2029)

Figure 65. Middle East & Africa P-Type Crystalline Silicon Battery Sales Quantity Market Share by Application (2018-2029)

Figure 66. Middle East & Africa P-Type Crystalline Silicon Battery Sales Quantity Market Share by Region (2018-2029)

Figure 67. Middle East & Africa P-Type Crystalline Silicon Battery Consumption Value Market Share by Region (2018-2029)

Figure 68. Turkey P-Type Crystalline Silicon Battery Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 69. Egypt P-Type Crystalline Silicon Battery Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 70. Saudi Arabia P-Type Crystalline Silicon Battery Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 71. South Africa P-Type Crystalline Silicon Battery Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 72. P-Type Crystalline Silicon Battery Market Drivers

Figure 73. P-Type Crystalline Silicon Battery Market Restraints

Figure 74. P-Type Crystalline Silicon Battery Market Trends

Figure 75. Porters Five Forces Analysis

Figure 76. Manufacturing Cost Structure Analysis of P-Type Crystalline Silicon Battery in 2022

Figure 77. Manufacturing Process Analysis of P-Type Crystalline Silicon Battery

Figure 78. P-Type Crystalline Silicon Battery Industrial Chain

Figure 79. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 80. Direct Channel Pros & Cons

Figure 81. Indirect Channel Pros & Cons

Figure 82. Methodology

Figure 83. Research Process and Data Source

I would like to order

Product name: Global P-Type Crystalline Silicon Battery Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

Product link: <https://marketpublishers.com/r/GBFE5BE2B8A9EN.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/GBFE5BE2B8A9EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

