

Global Photovoltaic Granular Silicon Materials Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/G0C299557700EN.html>

Date: February 2023

Pages: 95

Price: US\$ 4,480.00 (Single User License)

ID: G0C299557700EN

Abstracts

The global Photovoltaic Granular Silicon Materials market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

Photovoltaic granular silicon is a kind of granular polycrystalline silicon for photovoltaics with an average particle size of about 1-2 mm, which is produced by chemical vapor deposition in a fluidized bed. Compared with the Siemens method, the FBR granular silicon technology has three advantages: low energy consumption, continuous production, and no need for crushing.

This report studies the global Photovoltaic Granular Silicon Materials production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Photovoltaic Granular Silicon Materials, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Photovoltaic Granular Silicon Materials that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Photovoltaic Granular Silicon Materials total production and demand, 2018-2029, (Tons)

Global Photovoltaic Granular Silicon Materials total production value, 2018-2029, (USD

Million)

Global Photovoltaic Granular Silicon Materials production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Photovoltaic Granular Silicon Materials consumption by region & country, CAGR, 2018-2029 & (Tons)

U.S. VS China: Photovoltaic Granular Silicon Materials domestic production, consumption, key domestic manufacturers and share

Global Photovoltaic Granular Silicon Materials production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Tons)

Global Photovoltaic Granular Silicon Materials production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Photovoltaic Granular Silicon Materials production by Application production, value, CAGR, 2018-2029, (USD Million) & (Tons)

This reports profiles key players in the global Photovoltaic Granular Silicon Materials 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 GCL Technology Holdings Limited, MEMC, REC Asimi, Wacker Chemie AG and Shaanxi Non-Ferrous Tian Hong REC Silicon Materials, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Photovoltaic Granular Silicon Materials market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the

forecast year.

Global Photovoltaic Granular Silicon Materials Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Photovoltaic Granular Silicon Materials Market, Segmentation by Type

Silane Fluidized Bed Process

Trichlorosilane Fluidized Bed Process

Global Photovoltaic Granular Silicon Materials Market, Segmentation by Application

Photovoltaic Power Plants

Household Distributed Photovoltaic Small Equipment

Others

Companies Profiled:

GCL Technology Holdings Limited

MEMC

REC Asimi

Wacker Chemie AG

Shaanxi Non-Ferrous Tian Hong REC Silicon Materials

Key Questions Answered

1. How big is the global Photovoltaic Granular Silicon Materials market?
2. What is the demand of the global Photovoltaic Granular Silicon Materials market?
3. What is the year over year growth of the global Photovoltaic Granular Silicon Materials market?
4. What is the production and production value of the global Photovoltaic Granular Silicon Materials market?
5. Who are the key producers in the global Photovoltaic Granular Silicon Materials market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Photovoltaic Granular Silicon Materials Introduction
- 1.2 World Photovoltaic Granular Silicon Materials Supply & Forecast
 - 1.2.1 World Photovoltaic Granular Silicon Materials Production Value (2018 & 2022 & 2029)
 - 1.2.2 World Photovoltaic Granular Silicon Materials Production (2018-2029)
 - 1.2.3 World Photovoltaic Granular Silicon Materials Pricing Trends (2018-2029)
- 1.3 World Photovoltaic Granular Silicon Materials Production by Region (Based on Production Site)
 - 1.3.1 World Photovoltaic Granular Silicon Materials Production Value by Region (2018-2029)
 - 1.3.2 World Photovoltaic Granular Silicon Materials Production by Region (2018-2029)
 - 1.3.3 World Photovoltaic Granular Silicon Materials Average Price by Region (2018-2029)
 - 1.3.4 North America Photovoltaic Granular Silicon Materials Production (2018-2029)
 - 1.3.5 Europe Photovoltaic Granular Silicon Materials Production (2018-2029)
 - 1.3.6 China Photovoltaic Granular Silicon Materials Production (2018-2029)
 - 1.3.7 Japan Photovoltaic Granular Silicon Materials Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Photovoltaic Granular Silicon Materials Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Photovoltaic Granular Silicon Materials Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
 - 1.5.1 Influence of COVID-19
 - 1.5.2 Influence of Russia-Ukraine War

2 DEMAND SUMMARY

- 2.1 World Photovoltaic Granular Silicon Materials Demand (2018-2029)
- 2.2 World Photovoltaic Granular Silicon Materials Consumption by Region
 - 2.2.1 World Photovoltaic Granular Silicon Materials Consumption by Region (2018-2023)
 - 2.2.2 World Photovoltaic Granular Silicon Materials Consumption Forecast by Region (2024-2029)
- 2.3 United States Photovoltaic Granular Silicon Materials Consumption (2018-2029)
- 2.4 China Photovoltaic Granular Silicon Materials Consumption (2018-2029)

- 2.5 Europe Photovoltaic Granular Silicon Materials Consumption (2018-2029)
- 2.6 Japan Photovoltaic Granular Silicon Materials Consumption (2018-2029)
- 2.7 South Korea Photovoltaic Granular Silicon Materials Consumption (2018-2029)
- 2.8 ASEAN Photovoltaic Granular Silicon Materials Consumption (2018-2029)
- 2.9 India Photovoltaic Granular Silicon Materials Consumption (2018-2029)

3 WORLD PHOTOVOLTAIC GRANULAR SILICON MATERIALS MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Photovoltaic Granular Silicon Materials Production Value by Manufacturer (2018-2023)
- 3.2 World Photovoltaic Granular Silicon Materials Production by Manufacturer (2018-2023)
- 3.3 World Photovoltaic Granular Silicon Materials Average Price by Manufacturer (2018-2023)
- 3.4 Photovoltaic Granular Silicon Materials Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Photovoltaic Granular Silicon Materials Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Photovoltaic Granular Silicon Materials in 2022
 - 3.5.3 Global Concentration Ratios (CR8) for Photovoltaic Granular Silicon Materials in 2022
- 3.6 Photovoltaic Granular Silicon Materials Market: Overall Company Footprint Analysis
 - 3.6.1 Photovoltaic Granular Silicon Materials Market: Region Footprint
 - 3.6.2 Photovoltaic Granular Silicon Materials Market: Company Product Type Footprint
 - 3.6.3 Photovoltaic Granular Silicon Materials Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Photovoltaic Granular Silicon Materials Production Value Comparison

4.1.1 United States VS China: Photovoltaic Granular Silicon Materials Production Value Comparison (2018 & 2022 & 2029)

4.1.2 United States VS China: Photovoltaic Granular Silicon Materials Production Value Market Share Comparison (2018 & 2022 & 2029)

4.2 United States VS China: Photovoltaic Granular Silicon Materials Production Comparison

4.2.1 United States VS China: Photovoltaic Granular Silicon Materials Production Comparison (2018 & 2022 & 2029)

4.2.2 United States VS China: Photovoltaic Granular Silicon Materials Production Market Share Comparison (2018 & 2022 & 2029)

4.3 United States VS China: Photovoltaic Granular Silicon Materials Consumption Comparison

4.3.1 United States VS China: Photovoltaic Granular Silicon Materials Consumption Comparison (2018 & 2022 & 2029)

4.3.2 United States VS China: Photovoltaic Granular Silicon Materials Consumption Market Share Comparison (2018 & 2022 & 2029)

4.4 United States Based Photovoltaic Granular Silicon Materials Manufacturers and Market Share, 2018-2023

4.4.1 United States Based Photovoltaic Granular Silicon Materials Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Photovoltaic Granular Silicon Materials Production Value (2018-2023)

4.4.3 United States Based Manufacturers Photovoltaic Granular Silicon Materials Production (2018-2023)

4.5 China Based Photovoltaic Granular Silicon Materials Manufacturers and Market Share

4.5.1 China Based Photovoltaic Granular Silicon Materials Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Photovoltaic Granular Silicon Materials Production Value (2018-2023)

4.5.3 China Based Manufacturers Photovoltaic Granular Silicon Materials Production (2018-2023)

4.6 Rest of World Based Photovoltaic Granular Silicon Materials Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based Photovoltaic Granular Silicon Materials Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Photovoltaic Granular Silicon Materials Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers Photovoltaic Granular Silicon Materials

Production (2018-2023)

5 MARKET ANALYSIS BY TYPE

5.1 World Photovoltaic Granular Silicon Materials Market Size Overview by Type: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Type

5.2.1 Silane Fluidized Bed Process

5.2.2 Trichlorosilane Fluidized Bed Process

5.3 Market Segment by Type

5.3.1 World Photovoltaic Granular Silicon Materials Production by Type (2018-2029)

5.3.2 World Photovoltaic Granular Silicon Materials Production Value by Type (2018-2029)

5.3.3 World Photovoltaic Granular Silicon Materials Average Price by Type (2018-2029)

6 MARKET ANALYSIS BY APPLICATION

6.1 World Photovoltaic Granular Silicon Materials Market Size Overview by Application: 2018 VS 2022 VS 2029

6.2 Segment Introduction by Application

6.2.1 Photovoltaic Power Plants

6.2.2 Household Distributed Photovoltaic Small Equipment

6.2.3 Others

6.3 Market Segment by Application

6.3.1 World Photovoltaic Granular Silicon Materials Production by Application (2018-2029)

6.3.2 World Photovoltaic Granular Silicon Materials Production Value by Application (2018-2029)

6.3.3 World Photovoltaic Granular Silicon Materials Average Price by Application (2018-2029)

7 COMPANY PROFILES

7.1 GCL Technology Holdings Limited

7.1.1 GCL Technology Holdings Limited Details

7.1.2 GCL Technology Holdings Limited Major Business

7.1.3 GCL Technology Holdings Limited Photovoltaic Granular Silicon Materials Product and Services

7.1.4 GCL Technology Holdings Limited Photovoltaic Granular Silicon Materials Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.1.5 GCL Technology Holdings Limited Recent Developments/Updates

7.1.6 GCL Technology Holdings Limited Competitive Strengths & Weaknesses

7.2 MEMC

7.2.1 MEMC Details

7.2.2 MEMC Major Business

7.2.3 MEMC Photovoltaic Granular Silicon Materials Product and Services

7.2.4 MEMC Photovoltaic Granular Silicon Materials Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.2.5 MEMC Recent Developments/Updates

7.2.6 MEMC Competitive Strengths & Weaknesses

7.3 REC Asimi

7.3.1 REC Asimi Details

7.3.2 REC Asimi Major Business

7.3.3 REC Asimi Photovoltaic Granular Silicon Materials Product and Services

7.3.4 REC Asimi Photovoltaic Granular Silicon Materials Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.3.5 REC Asimi Recent Developments/Updates

7.3.6 REC Asimi Competitive Strengths & Weaknesses

7.4 Wacker Chemie AG

7.4.1 Wacker Chemie AG Details

7.4.2 Wacker Chemie AG Major Business

7.4.3 Wacker Chemie AG Photovoltaic Granular Silicon Materials Product and Services

7.4.4 Wacker Chemie AG Photovoltaic Granular Silicon Materials Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.4.5 Wacker Chemie AG Recent Developments/Updates

7.4.6 Wacker Chemie AG Competitive Strengths & Weaknesses

7.5 Shaanxi Non-Ferrous Tian Hong REC Silicon Materials

7.5.1 Shaanxi Non-Ferrous Tian Hong REC Silicon Materials Details

7.5.2 Shaanxi Non-Ferrous Tian Hong REC Silicon Materials Major Business

7.5.3 Shaanxi Non-Ferrous Tian Hong REC Silicon Materials Photovoltaic Granular Silicon Materials Product and Services

7.5.4 Shaanxi Non-Ferrous Tian Hong REC Silicon Materials Photovoltaic Granular Silicon Materials Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.5.5 Shaanxi Non-Ferrous Tian Hong REC Silicon Materials Recent Developments/Updates

7.5.6 Shaanxi Non-Ferrous Tian Hong REC Silicon Materials Competitive Strengths &

Weaknesses

8 INDUSTRY CHAIN ANALYSIS

8.1 Photovoltaic Granular Silicon Materials Industry Chain

8.2 Photovoltaic Granular Silicon Materials Upstream Analysis

8.2.1 Photovoltaic Granular Silicon Materials Core Raw Materials

8.2.2 Main Manufacturers of Photovoltaic Granular Silicon Materials Core Raw Materials

8.3 Midstream Analysis

8.4 Downstream Analysis

8.5 Photovoltaic Granular Silicon Materials Production Mode

8.6 Photovoltaic Granular Silicon Materials Procurement Model

8.7 Photovoltaic Granular Silicon Materials Industry Sales Model and Sales Channels

8.7.1 Photovoltaic Granular Silicon Materials Sales Model

8.7.2 Photovoltaic Granular Silicon Materials Typical Customers

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

10.1 Methodology

10.2 Research Process and Data Source

10.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Photovoltaic Granular Silicon Materials Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World Photovoltaic Granular Silicon Materials Production Value by Region (2018-2023) & (USD Million)

Table 3. World Photovoltaic Granular Silicon Materials Production Value by Region (2024-2029) & (USD Million)

Table 4. World Photovoltaic Granular Silicon Materials Production Value Market Share by Region (2018-2023)

Table 5. World Photovoltaic Granular Silicon Materials Production Value Market Share by Region (2024-2029)

Table 6. World Photovoltaic Granular Silicon Materials Production by Region (2018-2023) & (Tons)

Table 7. World Photovoltaic Granular Silicon Materials Production by Region (2024-2029) & (Tons)

Table 8. World Photovoltaic Granular Silicon Materials Production Market Share by Region (2018-2023)

Table 9. World Photovoltaic Granular Silicon Materials Production Market Share by Region (2024-2029)

Table 10. World Photovoltaic Granular Silicon Materials Average Price by Region (2018-2023) & (US\$/Ton)

Table 11. World Photovoltaic Granular Silicon Materials Average Price by Region (2024-2029) & (US\$/Ton)

Table 12. Photovoltaic Granular Silicon Materials Major Market Trends

Table 13. World Photovoltaic Granular Silicon Materials Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (Tons)

Table 14. World Photovoltaic Granular Silicon Materials Consumption by Region (2018-2023) & (Tons)

Table 15. World Photovoltaic Granular Silicon Materials Consumption Forecast by Region (2024-2029) & (Tons)

Table 16. World Photovoltaic Granular Silicon Materials Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key Photovoltaic Granular Silicon Materials Producers in 2022

Table 18. World Photovoltaic Granular Silicon Materials Production by Manufacturer (2018-2023) & (Tons)

Table 19. Production Market Share of Key Photovoltaic Granular Silicon Materials Producers in 2022

Table 20. World Photovoltaic Granular Silicon Materials Average Price by Manufacturer (2018-2023) & (US\$/Ton)

Table 21. Global Photovoltaic Granular Silicon Materials Company Evaluation Quadrant

Table 22. World Photovoltaic Granular Silicon Materials Industry Rank of Major Manufacturers, Based on Production Value in 2022

Table 23. Head Office and Photovoltaic Granular Silicon Materials Production Site of Key Manufacturer

Table 24. Photovoltaic Granular Silicon Materials Market: Company Product Type Footprint

Table 25. Photovoltaic Granular Silicon Materials Market: Company Product Application Footprint

Table 26. Photovoltaic Granular Silicon Materials Competitive Factors

Table 27. Photovoltaic Granular Silicon Materials New Entrant and Capacity Expansion Plans

Table 28. Photovoltaic Granular Silicon Materials Mergers & Acquisitions Activity

Table 29. United States VS China Photovoltaic Granular Silicon Materials Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 30. United States VS China Photovoltaic Granular Silicon Materials Production Comparison, (2018 & 2022 & 2029) & (Tons)

Table 31. United States VS China Photovoltaic Granular Silicon Materials Consumption Comparison, (2018 & 2022 & 2029) & (Tons)

Table 32. United States Based Photovoltaic Granular Silicon Materials Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Photovoltaic Granular Silicon Materials Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers Photovoltaic Granular Silicon Materials Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers Photovoltaic Granular Silicon Materials Production (2018-2023) & (Tons)

Table 36. United States Based Manufacturers Photovoltaic Granular Silicon Materials Production Market Share (2018-2023)

Table 37. China Based Photovoltaic Granular Silicon Materials Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Photovoltaic Granular Silicon Materials Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers Photovoltaic Granular Silicon Materials Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers Photovoltaic Granular Silicon Materials Production (2018-2023) & (Tons)

Table 41. China Based Manufacturers Photovoltaic Granular Silicon Materials Production Market Share (2018-2023)

Table 42. Rest of World Based Photovoltaic Granular Silicon Materials Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers Photovoltaic Granular Silicon Materials Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers Photovoltaic Granular Silicon Materials Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers Photovoltaic Granular Silicon Materials Production (2018-2023) & (Tons)

Table 46. Rest of World Based Manufacturers Photovoltaic Granular Silicon Materials Production Market Share (2018-2023)

Table 47. World Photovoltaic Granular Silicon Materials Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World Photovoltaic Granular Silicon Materials Production by Type (2018-2023) & (Tons)

Table 49. World Photovoltaic Granular Silicon Materials Production by Type (2024-2029) & (Tons)

Table 50. World Photovoltaic Granular Silicon Materials Production Value by Type (2018-2023) & (USD Million)

Table 51. World Photovoltaic Granular Silicon Materials Production Value by Type (2024-2029) & (USD Million)

Table 52. World Photovoltaic Granular Silicon Materials Average Price by Type (2018-2023) & (US\$/Ton)

Table 53. World Photovoltaic Granular Silicon Materials Average Price by Type (2024-2029) & (US\$/Ton)

Table 54. World Photovoltaic Granular Silicon Materials Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World Photovoltaic Granular Silicon Materials Production by Application (2018-2023) & (Tons)

Table 56. World Photovoltaic Granular Silicon Materials Production by Application (2024-2029) & (Tons)

Table 57. World Photovoltaic Granular Silicon Materials Production Value by Application (2018-2023) & (USD Million)

Table 58. World Photovoltaic Granular Silicon Materials Production Value by Application (2024-2029) & (USD Million)

Table 59. World Photovoltaic Granular Silicon Materials Average Price by Application

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

Table 60. World Photovoltaic Granular Silicon Materials Average Price by Application (2024-2029) & (US\$/Ton)

Table 61. GCL Technology Holdings Limited Basic Information, Manufacturing Base and Competitors

Table 62. GCL Technology Holdings Limited Major Business

Table 63. GCL Technology Holdings Limited Photovoltaic Granular Silicon Materials Product and Services

Table 64. GCL Technology Holdings Limited Photovoltaic Granular Silicon Materials Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 65. GCL Technology Holdings Limited Recent Developments/Updates

Table 66. GCL Technology Holdings Limited Competitive Strengths & Weaknesses

Table 67. MEMC Basic Information, Manufacturing Base and Competitors

Table 68. MEMC Major Business

Table 69. MEMC Photovoltaic Granular Silicon Materials Product and Services

Table 70. MEMC Photovoltaic Granular Silicon Materials Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 71. MEMC Recent Developments/Updates

Table 72. MEMC Competitive Strengths & Weaknesses

Table 73. REC Asimi Basic Information, Manufacturing Base and Competitors

Table 74. REC Asimi Major Business

Table 75. REC Asimi Photovoltaic Granular Silicon Materials Product and Services

Table 76. REC Asimi Photovoltaic Granular Silicon Materials Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. REC Asimi Recent Developments/Updates

Table 78. REC Asimi Competitive Strengths & Weaknesses

Table 79. Wacker Chemie AG Basic Information, Manufacturing Base and Competitors

Table 80. Wacker Chemie AG Major Business

Table 81. Wacker Chemie AG Photovoltaic Granular Silicon Materials Product and Services

Table 82. Wacker Chemie AG Photovoltaic Granular Silicon Materials Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 83. Wacker Chemie AG Recent Developments/Updates

Table 84. Shaanxi Non-Ferrous Tian Hong REC Silicon Materials Basic Information, Manufacturing Base and Competitors

Table 85. Shaanxi Non-Ferrous Tian Hong REC Silicon Materials Major Business

Table 86. Shaanxi Non-Ferrous Tian Hong REC Silicon Materials Photovoltaic Granular Silicon Materials Product and Services

Table 87. Shaanxi Non-Ferrous Tian Hong REC Silicon Materials Photovoltaic Granular Silicon Materials Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 88. Global Key Players of Photovoltaic Granular Silicon Materials Upstream (Raw Materials)

Table 89. Photovoltaic Granular Silicon Materials Typical Customers

Table 90. Photovoltaic Granular Silicon Materials Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Photovoltaic Granular Silicon Materials Picture

Figure 2. World Photovoltaic Granular Silicon Materials Production Value: 2018 & 2022 & 2029, (USD Million)

Figure 3. World Photovoltaic Granular Silicon Materials Production Value and Forecast (2018-2029) & (USD Million)

Figure 4. World Photovoltaic Granular Silicon Materials Production (2018-2029) & (Tons)

Figure 5. World Photovoltaic Granular Silicon Materials Average Price (2018-2029) & (US\$/Ton)

Figure 6. World Photovoltaic Granular Silicon Materials Production Value Market Share by Region (2018-2029)

Figure 7. World Photovoltaic Granular Silicon Materials Production Market Share by Region (2018-2029)

Figure 8. North America Photovoltaic Granular Silicon Materials Production (2018-2029) & (Tons)

Figure 9. Europe Photovoltaic Granular Silicon Materials Production (2018-2029) & (Tons)

Figure 10. China Photovoltaic Granular Silicon Materials Production (2018-2029) & (Tons)

Figure 11. Japan Photovoltaic Granular Silicon Materials Production (2018-2029) & (Tons)

Figure 12. Photovoltaic Granular Silicon Materials Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Photovoltaic Granular Silicon Materials Consumption (2018-2029) & (Tons)

Figure 15. World Photovoltaic Granular Silicon Materials Consumption Market Share by Region (2018-2029)

Figure 16. United States Photovoltaic Granular Silicon Materials Consumption (2018-2029) & (Tons)

Figure 17. China Photovoltaic Granular Silicon Materials Consumption (2018-2029) & (Tons)

Figure 18. Europe Photovoltaic Granular Silicon Materials Consumption (2018-2029) & (Tons)

Figure 19. Japan Photovoltaic Granular Silicon Materials Consumption (2018-2029) & (Tons)

Figure 20. South Korea Photovoltaic Granular Silicon Materials Consumption (2018-2029) & (Tons)

Figure 21. ASEAN Photovoltaic Granular Silicon Materials Consumption (2018-2029) & (Tons)

Figure 22. India Photovoltaic Granular Silicon Materials Consumption (2018-2029) & (Tons)

Figure 23. Producer Shipments of Photovoltaic Granular Silicon Materials by Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 24. Global Four-firm Concentration Ratios (CR4) for Photovoltaic Granular Silicon Materials Markets in 2022

Figure 25. Global Four-firm Concentration Ratios (CR8) for Photovoltaic Granular Silicon Materials Markets in 2022

Figure 26. United States VS China: Photovoltaic Granular Silicon Materials Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 27. United States VS China: Photovoltaic Granular Silicon Materials Production Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: Photovoltaic Granular Silicon Materials Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States Based Manufacturers Photovoltaic Granular Silicon Materials Production Market Share 2022

Figure 30. China Based Manufacturers Photovoltaic Granular Silicon Materials Production Market Share 2022

Figure 31. Rest of World Based Manufacturers Photovoltaic Granular Silicon Materials Production Market Share 2022

Figure 32. World Photovoltaic Granular Silicon Materials Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 33. World Photovoltaic Granular Silicon Materials Production Value Market Share by Type in 2022

Figure 34. Silane Fluidized Bed Process

Figure 35. Trichlorosilane Fluidized Bed Process

Figure 36. World Photovoltaic Granular Silicon Materials Production Market Share by Type (2018-2029)

Figure 37. World Photovoltaic Granular Silicon Materials Production Value Market Share by Type (2018-2029)

Figure 38. World Photovoltaic Granular Silicon Materials Average Price by Type (2018-2029) & (US\$/Ton)

Figure 39. World Photovoltaic Granular Silicon Materials Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 40. World Photovoltaic Granular Silicon Materials Production Value Market

Share by Application in 2022

Figure 41. Photovoltaic Power Plants

Figure 42. Household Distributed Photovoltaic Small Equipment

Figure 43. Others

Figure 44. World Photovoltaic Granular Silicon Materials Production Market Share by Application (2018-2029)

Figure 45. World Photovoltaic Granular Silicon Materials Production Value Market Share by Application (2018-2029)

Figure 46. World Photovoltaic Granular Silicon Materials Average Price by Application (2018-2029) & (US\$/Ton)

Figure 47. Photovoltaic Granular Silicon Materials Industry Chain

Figure 48. Photovoltaic Granular Silicon Materials Procurement Model

Figure 49. Photovoltaic Granular Silicon Materials Sales Model

Figure 50. Photovoltaic Granular Silicon Materials Sales Channels, Direct Sales, and Distribution

Figure 51. Methodology

Figure 52. Research Process and Data Source

I would like to order

Product name: Global Photovoltaic Granular Silicon Materials Supply, Demand and Key Producers, 2023-2029

Product link: <https://marketpublishers.com/r/G0C299557700EN.html>

Price: US\$ 4,480.00 (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/G0C299557700EN.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

