

Global Polycrystalline Solar Cell Market Size study, by Technology (Crystalline Silicon Cells, Thin Film Cells, Ultra-thin Film Cells), by Application (Residential, Commercial, Utility) and Regional Forecasts 2022-2028

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Abstracts

Global Polycrystalline Solar Cell Market is valued at approximately XX in 2021 and is anticipated to grow with a healthy growth rate of more than xx% over the forecast period 2022-2028. Polycrystalline Solar cells are made up of several silicon crystals in a single PV cell. The wafers of polycrystalline solar cells are made by melting together several fragments of silicon. Net metering legislation has been enacted by the majority of governments around the world, along with significant subsidies for solar system installation in residential settings. Due to their lower costs and marginally lower efficiency than mono-crystalline solar cells, these cells are widely used in the residential sector. Increasing demand for renewable energy sources, rising public awareness about energy security and self-sufficiency, and rising government initiatives to promote solar energy installation through subsidies are some of the factors that will likely boost the growth of the polycrystalline solar cell (Mono-Si) market during the forecast period. After confirming a sixfold increase in net profit in Q1 2022, Tongwei, solar polysilicon, and cell manufacturer announced plans to significantly increase its manufacturing capacity over the next four years in April 2022. With 350,000 MT of polysilicon capacity, the company expects to finish in 2023. In India, under the government's production linked incentive scheme, Reliance Industries Ltd, Shirdi Sai, and Jindal Poly submitted bids in September 2021 for manufacturing polysilicon (stage-1), wafer (stage-2), and cells (stage-3 and stage 4) for setting up solar manufacturing units. On the other hand, increasing technological advancements, as well as rising environmental concerns, will boost various opportunities, resulting in the growth of the polycrystalline solar cell (Mono-Si) market during the forecast period. In the forecasted period, . low-performance

efficiency will act as a market restraint for polycrystalline solar cells.

The key regions considered for the global Polycrystalline Solar Cell market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. Europe will dominate the polycrystalline solar cell (Multi-Si) market due to the adoption of favourable government initiatives for the installation of solar panels, as well as rising technological advancements. While Asia-Pacific will grow in the forecast period of 2020-2027 due to increased investment in the adoption of sustainable energy. In terms of population, Asia-Pacific is the world's largest region. Traditionally, the region's energy demand has been met by fossil fuels, primarily petroleum and coal, but due to its declining cost, solar energy has recently seen increased adoption.

Major market players included in this report are:

Targray Technology International Inc

JinkoSolar Holding Co., Ltd

First Solar, Inc.

Sunpower Corporation

Suniva Inc

Solaris Technology Industry

Trina Solar Co. Ltd.

Canadian Solar Inc.

Sharp Corporation

Tata Power Solar Systems Ltd.

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Technology:

Crystalline Silicon Cells

Thin-Film Cells

Ultra-Thin Film Cells

By Application:

Residential

Commercial

Utility

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Polycrystalline Solar Cell Market in Market Study:

Key Consulting Companies & Advisors
Large, medium-sized, and small enterprises
Venture capitalists
Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2028 (USD Billion)
 - 1.2.1. Polycrystalline Solar Cell Market, by Region, 2020-2028 (USD Billion)
 - 1.2.2. Polycrystalline Solar Cell Market, by Technology, 2020-2028 (USD Billion)
 - 1.2.3. Polycrystalline Solar Cell Market, by Application, 2020-2028 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL POLYCRYSTALLINE SOLAR CELL MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Scope of the Study
 - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL POLYCRYSTALLINE SOLAR CELL MARKET DYNAMICS

- 3.1. Polycrystalline Solar Cell Market Impact Analysis (2020-2028)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Increasing demand for renewable power sources
 - 3.1.1.2. Growing awareness among the people regarding energy security and self-sufficiency
 - 3.1.2. Market Challenges
 - 3.1.2.1. Low-performance efficiency
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Rising initiatives of the government for the installation of solar energy

CHAPTER 4. GLOBAL POLYCRYSTALLINE SOLAR CELL MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model (2018-2028)
- 4.2. PEST Analysis
 - 4.2.1. Political
 - 4.2.2. Economical
 - 4.2.3. Social
 - 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion
- 4.5. Top investment opportunity
- 4.6. Top winning strategies

CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT

- 5.1.1. Assessment of the overall impact of COVID-19 on the industry
- 5.1.2. Pre COVID-19 and post COVID-19 Market scenario

CHAPTER 6. GLOBAL POLYCRYSTALLINE SOLAR CELL MARKET, BY TECHNOLOGY

- 6.1. Market Snapshot
- 6.2. Global Polycrystalline Solar Cell Market by Technology, Performance - Potential Analysis
- 6.3. Global Polycrystalline Solar Cell Market Estimates & Forecasts by Technology, 2018-2028 (USD Billion)
- 6.4. Polycrystalline Solar Cell Market, Sub Segment Analysis
 - 6.4.1. Crystalline Silicon Cells
 - 6.4.2. ThinFilm Cells
 - 6.4.3. Ultra Thin Film Cells

CHAPTER 7. GLOBAL POLYCRYSTALLINE SOLAR CELL MARKET, BY APPLICATION

- 7.1. Market Snapshot
- 7.2. Global Polycrystalline Solar Cell Market by Application, Performance - Potential

Analysis

7.3. Global Polycrystalline Solar Cell Market Estimates & Forecasts by Application, 2018-2028 (USD Billion)

7.4. Polycrystalline Solar Cell Market, Sub Segment Analysis

7.4.1. Residential

7.4.2. Commercial

7.4.3. Utility

CHAPTER 8. GLOBAL POLYCRYSTALLINE SOLAR CELL MARKET, REGIONAL ANALYSIS

8.1. Polycrystalline Solar Cell Market, Regional Market Snapshot

8.2. North America Polycrystalline Solar Cell Market

8.2.1. U.S. Polycrystalline Solar Cell Market

8.2.1.1. Technology breakdown estimates & forecasts, 2018-2028

8.2.1.2. Application breakdown estimates & forecasts, 2018-2028

8.2.2. Canada Polycrystalline Solar Cell Market

8.3. Europe Polycrystalline Solar Cell Market Snapshot

8.3.1. U.K. Polycrystalline Solar Cell Market

8.3.2. Germany Polycrystalline Solar Cell Market

8.3.3. France Polycrystalline Solar Cell Market

8.3.4. Spain Polycrystalline Solar Cell Market

8.3.5. Italy Polycrystalline Solar Cell Market

8.3.6. Rest of Europe Polycrystalline Solar Cell Market

8.4. Asia-Pacific Polycrystalline Solar Cell Market Snapshot

8.4.1. China Polycrystalline Solar Cell Market

8.4.2. India Polycrystalline Solar Cell Market

8.4.3. Japan Polycrystalline Solar Cell Market

8.4.4. Australia Polycrystalline Solar Cell Market

8.4.5. South Korea Polycrystalline Solar Cell Market

8.4.6. Rest of Asia Pacific Polycrystalline Solar Cell Market

8.5. Latin America Polycrystalline Solar Cell Market Snapshot

8.5.1. Brazil Polycrystalline Solar Cell Market

8.5.2. Mexico Polycrystalline Solar Cell Market

8.6. Rest of The World Polycrystalline Solar Cell Market

CHAPTER 9. COMPETITIVE INTELLIGENCE

9.1. Top Market Strategies

9.2. Company Profiles

9.2.1. Targray Technology International Inc

9.2.1.1. Key Information

9.2.1.2. Overview

9.2.1.3. Financial (Subject to Data Availability)

9.2.1.4. Product Summary

9.2.1.5. Recent Developments

9.2.2. JinkoSolar Holding Co., Ltd

9.2.3. First Solar, Inc.

9.2.4. Sunpower Corporation

9.2.5. Suniva Inc

9.2.6. Solaris Technology Industry

9.2.7. Trina Solar Co. Ltd.

9.2.8. Canadian Solar Inc.

9.2.9. Sharp Corporation

9.2.10. Tata Power Solar Systems Ltd.

CHAPTER 10. RESEARCH PROCESS

10.1. Research Process

10.1.1. Data Mining

10.1.2. Analysis

10.1.3. Market Estimation

10.1.4. Validation

10.1.5. Publishing

10.2. Research Attributes

10.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. Global Polycrystalline Solar Cell Market, report scope

TABLE 2. Global Polycrystalline Solar Cell Market estimates & forecasts by Region
2018-2028 (USD Billion)

TABLE 3. Global Polycrystalline Solar Cell Market estimates & forecasts by Technology
2018-2028 (USD Billion)

TABLE 4. Global Polycrystalline Solar Cell Market estimates & forecasts by Application
2018-2028 (USD Billion)

TABLE 5. Global Polycrystalline Solar Cell Market by segment, estimates & forecasts,
2018-2028 (USD Billion)

TABLE 6. Global Polycrystalline Solar Cell Market by region, estimates & forecasts,
2018-2028 (USD Billion)

TABLE 7. Global Polycrystalline Solar Cell Market by segment, estimates & forecasts,
2018-2028 (USD Billion)

TABLE 8. Global Polycrystalline Solar Cell Market by region, estimates & forecasts,
2018-2028 (USD Billion)

TABLE 9. Global Polycrystalline Solar Cell Market by segment, estimates & forecasts,
2018-2028 (USD Billion)

TABLE 10. Global Polycrystalline Solar Cell Market by region, estimates & forecasts,
2018-2028 (USD Billion)

TABLE 11. Global Polycrystalline Solar Cell Market by segment, estimates & forecasts,
2018-2028 (USD Billion)

TABLE 12. Global Polycrystalline Solar Cell Market by region, estimates & forecasts,
2018-2028 (USD Billion)

TABLE 13. Global Polycrystalline Solar Cell Market by segment, estimates & forecasts,
2018-2028 (USD Billion)

TABLE 14. Global Polycrystalline Solar Cell Market by region, estimates & forecasts,
2018-2028 (USD Billion)

TABLE 15. U.S. Polycrystalline Solar Cell Market estimates & forecasts, 2018-2028
(USD Billion)

TABLE 16. U.S. Polycrystalline Solar Cell Market estimates & forecasts by segment
2018-2028 (USD Billion)

TABLE 17. U.S. Polycrystalline Solar Cell Market estimates & forecasts by segment
2018-2028 (USD Billion)

TABLE 18. Canada Polycrystalline Solar Cell Market estimates & forecasts, 2018-2028
(USD Billion)

TABLE 19. Canada Polycrystalline Solar Cell Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 20. Canada Polycrystalline Solar Cell Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 21. UK Polycrystalline Solar Cell Market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 22. UK Polycrystalline Solar Cell Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 23. UK Polycrystalline Solar Cell Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 24. Germany Polycrystalline Solar Cell Market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 25. Germany Polycrystalline Solar Cell Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 26. Germany Polycrystalline Solar Cell Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 27. RoE Polycrystalline Solar Cell Market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 28. RoE Polycrystalline Solar Cell Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 29. RoE Polycrystalline Solar Cell Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 30. China Polycrystalline Solar Cell Market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 31. China Polycrystalline Solar Cell Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 32. China Polycrystalline Solar Cell Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 33. India Polycrystalline Solar Cell Market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 34. India Polycrystalline Solar Cell Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 35. India Polycrystalline Solar Cell Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 36. Japan Polycrystalline Solar Cell Market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 37. Japan Polycrystalline Solar Cell Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 38. Japan Polycrystalline Solar Cell Market estimates & forecasts by segment

2018-2028 (USD Billion)

TABLE 39. RoAPAC Polycrystalline Solar Cell Market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 40. RoAPAC Polycrystalline Solar Cell Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 41. RoAPAC Polycrystalline Solar Cell Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 42. Brazil Polycrystalline Solar Cell Market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 43. Brazil Polycrystalline Solar Cell Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 44. Brazil Polycrystalline Solar Cell Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 45. Mexico Polycrystalline Solar Cell Market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 46. Mexico Polycrystalline Solar Cell Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 47. Mexico Polycrystalline Solar Cell Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 48. RoLA Polycrystalline Solar Cell Market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 49. RoLA Polycrystalline Solar Cell Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 50. RoLA Polycrystalline Solar Cell Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 51. Row Polycrystalline Solar Cell Market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 52. Row Polycrystalline Solar Cell Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 53. Row Polycrystalline Solar Cell Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 54. List of secondary sources, used in the study of global Polycrystalline Solar Cell Market

TABLE 55. List of primary sources, used in the study of global Polycrystalline Solar Cell Market

TABLE 56. Years considered for the study

TABLE 57. Exchange rates considered

List Of Figures

LIST OF FIGURES

- FIG 1. Global Polycrystalline Solar Cell Market, research methodology
- FIG 2. Global Polycrystalline Solar Cell Market, Market estimation techniques
- FIG 3. Global Market size estimates & forecast methods
- FIG 4. Global Polycrystalline Solar Cell Market, key trends 2021
- FIG 5. Global Polycrystalline Solar Cell Market, growth prospects 2022-2028
- FIG 6. Global Polycrystalline Solar Cell Market, porters 5 force model
- FIG 7. Global Polycrystalline Solar Cell Market, pest analysis
- FIG 8. Global Polycrystalline Solar Cell Market, value chain analysis
- FIG 9. Global Polycrystalline Solar Cell Market by segment, 2018 & 2028 (USD Billion)
- FIG 10. Global Polycrystalline Solar Cell Market by segment, 2018 & 2028 (USD Billion)
- FIG 11. Global Polycrystalline Solar Cell Market by segment, 2018 & 2028 (USD Billion)
- FIG 12. Global Polycrystalline Solar Cell Market by segment, 2018 & 2028 (USD Billion)
- FIG 13. Global Polycrystalline Solar Cell Market by segment, 2018 & 2028 (USD Billion)
- FIG 14. Global Polycrystalline Solar Cell Market, regional snapshot 2018 & 2028
- FIG 15. North America Polycrystalline Solar Cell Market 2018 & 2028 (USD Billion)
- FIG 16. Europe Polycrystalline Solar Cell Market 2018 & 2028 (USD Billion)
- FIG 17. Asia Pacific Polycrystalline Solar Cell Market 2018 & 2028 (USD Billion)
- FIG 18. Latin America Polycrystalline Solar Cell Market 2018 & 2028 (USD Billion)
- FIG 19. Global Polycrystalline Solar Cell Market, company Market share analysis (2021)

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