

Global Ultra-Thin Solar Cell Market Research Report 2023

<https://marketpublishers.com/r/GDEEB298A85CEN.html>

Date: December 2023

Pages: 96

Price: US\$ 2,900.00 (Single User License)

ID: GDEEB298A85CEN

Abstracts

Ultrathin solar cells are 10-fold decrease in absorber thickness with respect to conventional solar cells, corresponding to thicknesses below 20 μ m for c-Si and 400 nm for thin films such as GaAs, CdTe and CIGS.

According to QYResearch's new survey, global Ultra-Thin Solar Cell market is projected to reach US\$ 782 million in 2029, increasing from US\$ 512 million in 2022, with the CAGR of 6.3% during the period of 2023 to 2029. Influencing issues, such as economy environments, COVID-19 and Russia-Ukraine War, have led to great market fluctuations in the past few years and are considered comprehensively in the whole Ultra-Thin Solar Cell market research.

China has implemented the Renewable Energy Law since 2006, in which Article 4 clearly states that, the State gives first priority to the exploration of renewable energy. Over the years, various departments of the Chinese government have successively issued a large number of policies, covering production, sales, taxation, subsidies and other aspects. After setting the carbon neutrality goal in 2021, from a national perspective, the upgrading of the energy structure is ever imperative, and therefore the optoelectronic industry has great potential. The European Commission released the Net-Zero Industry Act in 2023. This bill aims to stimulate local manufacturing in Europe, reduce import dependence on China, and ensure that at least 40% of the EU's clean energy demand can be met by 2030. The EU targets an installed solar capacity of 600 GW. Overall, the European market still has a lot of room for development. US 2022 release of the Inflation Reduction Act, which includes \$369 billion for energy security and climate change investments. For the photovoltaic industry, the bill stimulates its development from multiple aspects such as corporate and individual tax credits, production subsidies, and loans throughout the industry chain, and revitalizes the

domestic manufacturing industry in the United States. Japanese authorities plan to make solar panels mandatory for new residential buildings in Tokyo from 2025 onwards. It is estimated that by 2030, photovoltaic power generation will account for 14%-16% of Japan's total power generation, and the cumulative installed capacity of photovoltaic systems will be about 117.341 GW.

Report Scope

This report, based on historical analysis (2018-2022) and forecast calculation (2023-2029), aims to help readers to get a comprehensive understanding of global Ultra-Thin Solar Cell market with multiple angles, which provides sufficient supports to readers' strategy and decision making.

By Company

First Solar

Kaneka Corporation

Mitsubishi Corporation

Shunfeng International Clean Energy

Solar Frontier

Changzhou EGing Photovoltaic Technology

GCL-Poly Energy Holdings

Sharp Corporation

Tongwei Solar

Trony Solar Holdings Company

Segment by Type

Cadmium Telluride (CdTe)

Copper Indium Gallium Diselenide (CIGS)

Amorphous Thin-Film Silicon (ATFS)

Others

Segment by Application

Industrial

Residential

Commercial

Production by Region

North America

Europe

China

Japan

Consumption by Region

North America

United States

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

China Taiwan

Southeast Asia

India

Latin America, Middle East & Africa

Mexico

Brazil

Turkey

GCC Countries

The Ultra-Thin Solar Cell report covers below items:

Chapter 1: Product Basic Information (Definition, type and application)

Chapter 2: Manufacturers' Competition Patterns

Chapter 3: Production Region Distribution and Analysis

Chapter 4: Country Level Sales Analysis

Chapter 5: Product Type Analysis

Chapter 6: Product Application Analysis

Chapter 7: Manufacturers' Outline

Chapter 8: Industry Chain, Market Channel and Customer Analysis

Chapter 9: Market Opportunities and Challenges

Chapter 10: Market Conclusions

Chapter 11: Research Methodology and Data Source

Contents

1 ULTRA-THIN SOLAR CELL MARKET OVERVIEW

- 1.1 Product Definition
- 1.2 Ultra-Thin Solar Cell Segment by Type
 - 1.2.1 Global Ultra-Thin Solar Cell Market Value Growth Rate Analysis by Type 2022 VS 2029
 - 1.2.2 Cadmium Telluride (CdTe)
 - 1.2.3 Copper Indium Gallium Diselenide (CIGS)
 - 1.2.4 Amorphous Thin-Film Silicon (ATFS)
 - 1.2.5 Others
- 1.3 Ultra-Thin Solar Cell Segment by Application
 - 1.3.1 Global Ultra-Thin Solar Cell Market Value Growth Rate Analysis by Application: 2022 VS 2029
 - 1.3.2 Industrial
 - 1.3.3 Residential
 - 1.3.4 Commercial
- 1.4 Global Market Growth Prospects
 - 1.4.1 Global Ultra-Thin Solar Cell Production Value Estimates and Forecasts (2018-2029)
 - 1.4.2 Global Ultra-Thin Solar Cell Production Capacity Estimates and Forecasts (2018-2029)
 - 1.4.3 Global Ultra-Thin Solar Cell Production Estimates and Forecasts (2018-2029)
 - 1.4.4 Global Ultra-Thin Solar Cell Market Average Price Estimates and Forecasts (2018-2029)
- 1.5 Assumptions and Limitations

2 MARKET COMPETITION BY MANUFACTURERS

- 2.1 Global Ultra-Thin Solar Cell Production Market Share by Manufacturers (2018-2023)
- 2.2 Global Ultra-Thin Solar Cell Production Value Market Share by Manufacturers (2018-2023)
- 2.3 Global Key Players of Ultra-Thin Solar Cell, Industry Ranking, 2021 VS 2022 VS 2023
- 2.4 Global Ultra-Thin Solar Cell Market Share by Company Type (Tier 1, Tier 2 and Tier 3)
- 2.5 Global Ultra-Thin Solar Cell Average Price by Manufacturers (2018-2023)
- 2.6 Global Key Manufacturers of Ultra-Thin Solar Cell, Manufacturing Base Distribution

and Headquarters

2.7 Global Key Manufacturers of Ultra-Thin Solar Cell, Product Offered and Application

2.8 Global Key Manufacturers of Ultra-Thin Solar Cell, Date of Enter into This Industry

2.9 Ultra-Thin Solar Cell Market Competitive Situation and Trends

2.9.1 Ultra-Thin Solar Cell Market Concentration Rate

2.9.2 Global 5 and 10 Largest Ultra-Thin Solar Cell Players Market Share by Revenue

2.10 Mergers & Acquisitions, Expansion

3 ULTRA-THIN SOLAR CELL PRODUCTION BY REGION

3.1 Global Ultra-Thin Solar Cell Production Value Estimates and Forecasts by Region: 2018 VS 2022 VS 2029

3.2 Global Ultra-Thin Solar Cell Production Value by Region (2018-2029)

3.2.1 Global Ultra-Thin Solar Cell Production Value Market Share by Region (2018-2023)

3.2.2 Global Forecasted Production Value of Ultra-Thin Solar Cell by Region (2024-2029)

3.3 Global Ultra-Thin Solar Cell Production Estimates and Forecasts by Region: 2018 VS 2022 VS 2029

3.4 Global Ultra-Thin Solar Cell Production by Region (2018-2029)

3.4.1 Global Ultra-Thin Solar Cell Production Market Share by Region (2018-2023)

3.4.2 Global Forecasted Production of Ultra-Thin Solar Cell by Region (2024-2029)

3.5 Global Ultra-Thin Solar Cell Market Price Analysis by Region (2018-2023)

3.6 Global Ultra-Thin Solar Cell Production and Value, Year-over-Year Growth

3.6.1 North America Ultra-Thin Solar Cell Production Value Estimates and Forecasts (2018-2029)

3.6.2 Europe Ultra-Thin Solar Cell Production Value Estimates and Forecasts (2018-2029)

3.6.3 China Ultra-Thin Solar Cell Production Value Estimates and Forecasts (2018-2029)

3.6.4 Japan Ultra-Thin Solar Cell Production Value Estimates and Forecasts (2018-2029)

4 ULTRA-THIN SOLAR CELL CONSUMPTION BY REGION

4.1 Global Ultra-Thin Solar Cell Consumption Estimates and Forecasts by Region: 2018 VS 2022 VS 2029

4.2 Global Ultra-Thin Solar Cell Consumption by Region (2018-2029)

4.2.1 Global Ultra-Thin Solar Cell Consumption by Region (2018-2023)

4.2.2 Global Ultra-Thin Solar Cell Forecasted Consumption by Region (2024-2029)

4.3 North America

4.3.1 North America Ultra-Thin Solar Cell Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

4.3.2 North America Ultra-Thin Solar Cell Consumption by Country (2018-2029)

4.3.3 United States

4.3.4 Canada

4.4 Europe

4.4.1 Europe Ultra-Thin Solar Cell Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

4.4.2 Europe Ultra-Thin Solar Cell Consumption by Country (2018-2029)

4.4.3 Germany

4.4.4 France

4.4.5 U.K.

4.4.6 Italy

4.4.7 Russia

4.5 Asia Pacific

4.5.1 Asia Pacific Ultra-Thin Solar Cell Consumption Growth Rate by Region: 2018 VS 2022 VS 2029

4.5.2 Asia Pacific Ultra-Thin Solar Cell Consumption by Region (2018-2029)

4.5.3 China

4.5.4 Japan

4.5.5 South Korea

4.5.6 China Taiwan

4.5.7 Southeast Asia

4.5.8 India

4.6 Latin America, Middle East & Africa

4.6.1 Latin America, Middle East & Africa Ultra-Thin Solar Cell Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

4.6.2 Latin America, Middle East & Africa Ultra-Thin Solar Cell Consumption by Country (2018-2029)

4.6.3 Mexico

4.6.4 Brazil

4.6.5 Turkey

5 SEGMENT BY TYPE

5.1 Global Ultra-Thin Solar Cell Production by Type (2018-2029)

5.1.1 Global Ultra-Thin Solar Cell Production by Type (2018-2023)

- 5.1.2 Global Ultra-Thin Solar Cell Production by Type (2024-2029)
- 5.1.3 Global Ultra-Thin Solar Cell Production Market Share by Type (2018-2029)
- 5.2 Global Ultra-Thin Solar Cell Production Value by Type (2018-2029)
 - 5.2.1 Global Ultra-Thin Solar Cell Production Value by Type (2018-2023)
 - 5.2.2 Global Ultra-Thin Solar Cell Production Value by Type (2024-2029)
 - 5.2.3 Global Ultra-Thin Solar Cell Production Value Market Share by Type (2018-2029)
- 5.3 Global Ultra-Thin Solar Cell Price by Type (2018-2029)

6 SEGMENT BY APPLICATION

- 6.1 Global Ultra-Thin Solar Cell Production by Application (2018-2029)
 - 6.1.1 Global Ultra-Thin Solar Cell Production by Application (2018-2023)
 - 6.1.2 Global Ultra-Thin Solar Cell Production by Application (2024-2029)
 - 6.1.3 Global Ultra-Thin Solar Cell Production Market Share by Application (2018-2029)
- 6.2 Global Ultra-Thin Solar Cell Production Value by Application (2018-2029)
 - 6.2.1 Global Ultra-Thin Solar Cell Production Value by Application (2018-2023)
 - 6.2.2 Global Ultra-Thin Solar Cell Production Value by Application (2024-2029)
 - 6.2.3 Global Ultra-Thin Solar Cell Production Value Market Share by Application (2018-2029)
- 6.3 Global Ultra-Thin Solar Cell Price by Application (2018-2029)

7 KEY COMPANIES PROFILED

- 7.1 First Solar
 - 7.1.1 First Solar Ultra-Thin Solar Cell Corporation Information
 - 7.1.2 First Solar Ultra-Thin Solar Cell Product Portfolio
 - 7.1.3 First Solar Ultra-Thin Solar Cell Production, Value, Price and Gross Margin (2018-2023)
 - 7.1.4 First Solar Main Business and Markets Served
 - 7.1.5 First Solar Recent Developments/Updates
- 7.2 Kaneka Corporation
 - 7.2.1 Kaneka Corporation Ultra-Thin Solar Cell Corporation Information
 - 7.2.2 Kaneka Corporation Ultra-Thin Solar Cell Product Portfolio
 - 7.2.3 Kaneka Corporation Ultra-Thin Solar Cell Production, Value, Price and Gross Margin (2018-2023)
 - 7.2.4 Kaneka Corporation Main Business and Markets Served
 - 7.2.5 Kaneka Corporation Recent Developments/Updates
- 7.3 Mitsubishi Corporation
 - 7.3.1 Mitsubishi Corporation Ultra-Thin Solar Cell Corporation Information

- 7.3.2 Mitsubishi Corporation Ultra-Thin Solar Cell Product Portfolio
- 7.3.3 Mitsubishi Corporation Ultra-Thin Solar Cell Production, Value, Price and Gross Margin (2018-2023)
- 7.3.4 Mitsubishi Corporation Main Business and Markets Served
- 7.3.5 Mitsubishi Corporation Recent Developments/Updates
- 7.4 Shunfeng International Clean Energy
 - 7.4.1 Shunfeng International Clean Energy Ultra-Thin Solar Cell Corporation Information
 - 7.4.2 Shunfeng International Clean Energy Ultra-Thin Solar Cell Product Portfolio
 - 7.4.3 Shunfeng International Clean Energy Ultra-Thin Solar Cell Production, Value, Price and Gross Margin (2018-2023)
 - 7.4.4 Shunfeng International Clean Energy Main Business and Markets Served
 - 7.4.5 Shunfeng International Clean Energy Recent Developments/Updates
- 7.5 Solar Frontier
 - 7.5.1 Solar Frontier Ultra-Thin Solar Cell Corporation Information
 - 7.5.2 Solar Frontier Ultra-Thin Solar Cell Product Portfolio
 - 7.5.3 Solar Frontier Ultra-Thin Solar Cell Production, Value, Price and Gross Margin (2018-2023)
 - 7.5.4 Solar Frontier Main Business and Markets Served
 - 7.5.5 Solar Frontier Recent Developments/Updates
- 7.6 Changzhou EGing Photovoltaic Technology
 - 7.6.1 Changzhou EGing Photovoltaic Technology Ultra-Thin Solar Cell Corporation Information
 - 7.6.2 Changzhou EGing Photovoltaic Technology Ultra-Thin Solar Cell Product Portfolio
 - 7.6.3 Changzhou EGing Photovoltaic Technology Ultra-Thin Solar Cell Production, Value, Price and Gross Margin (2018-2023)
 - 7.6.4 Changzhou EGing Photovoltaic Technology Main Business and Markets Served
 - 7.6.5 Changzhou EGing Photovoltaic Technology Recent Developments/Updates
- 7.7 GCL-Poly Energy Holdings
 - 7.7.1 GCL-Poly Energy Holdings Ultra-Thin Solar Cell Corporation Information
 - 7.7.2 GCL-Poly Energy Holdings Ultra-Thin Solar Cell Product Portfolio
 - 7.7.3 GCL-Poly Energy Holdings Ultra-Thin Solar Cell Production, Value, Price and Gross Margin (2018-2023)
 - 7.7.4 GCL-Poly Energy Holdings Main Business and Markets Served
 - 7.7.5 GCL-Poly Energy Holdings Recent Developments/Updates
- 7.8 Sharp Corporation
 - 7.8.1 Sharp Corporation Ultra-Thin Solar Cell Corporation Information
 - 7.8.2 Sharp Corporation Ultra-Thin Solar Cell Product Portfolio

7.8.3 Sharp Corporation Ultra-Thin Solar Cell Production, Value, Price and Gross Margin (2018-2023)

7.8.4 Sharp Corporation Main Business and Markets Served

7.7.5 Sharp Corporation Recent Developments/Updates

7.9 Tongwei Solar

7.9.1 Tongwei Solar Ultra-Thin Solar Cell Corporation Information

7.9.2 Tongwei Solar Ultra-Thin Solar Cell Product Portfolio

7.9.3 Tongwei Solar Ultra-Thin Solar Cell Production, Value, Price and Gross Margin (2018-2023)

7.9.4 Tongwei Solar Main Business and Markets Served

7.9.5 Tongwei Solar Recent Developments/Updates

7.10 Trony Solar Holdings Company

7.10.1 Trony Solar Holdings Company Ultra-Thin Solar Cell Corporation Information

7.10.2 Trony Solar Holdings Company Ultra-Thin Solar Cell Product Portfolio

7.10.3 Trony Solar Holdings Company Ultra-Thin Solar Cell Production, Value, Price and Gross Margin (2018-2023)

7.10.4 Trony Solar Holdings Company Main Business and Markets Served

7.10.5 Trony Solar Holdings Company Recent Developments/Updates

8 INDUSTRY CHAIN AND SALES CHANNELS ANALYSIS

8.1 Ultra-Thin Solar Cell Industry Chain Analysis

8.2 Ultra-Thin Solar Cell Key Raw Materials

8.2.1 Key Raw Materials

8.2.2 Raw Materials Key Suppliers

8.3 Ultra-Thin Solar Cell Production Mode & Process

8.4 Ultra-Thin Solar Cell Sales and Marketing

8.4.1 Ultra-Thin Solar Cell Sales Channels

8.4.2 Ultra-Thin Solar Cell Distributors

8.5 Ultra-Thin Solar Cell Customers

9 ULTRA-THIN SOLAR CELL MARKET DYNAMICS

9.1 Ultra-Thin Solar Cell Industry Trends

9.2 Ultra-Thin Solar Cell Market Drivers

9.3 Ultra-Thin Solar Cell Market Challenges

9.4 Ultra-Thin Solar Cell Market Restraints

10 RESEARCH FINDING AND CONCLUSION

11 METHODOLOGY AND DATA SOURCE

11.1 Methodology/Research Approach

11.1.1 Research Programs/Design

11.1.2 Market Size Estimation

11.1.3 Market Breakdown and Data Triangulation

11.2 Data Source

11.2.1 Secondary Sources

11.2.2 Primary Sources

11.3 Author List

11.4 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Ultra-Thin Solar Cell Market Value by Type, (US\$ Million) & (2022 VS 2029)

Table 2. Global Ultra-Thin Solar Cell Market Value by Application, (US\$ Million) & (2022 VS 2029)

Table 3. Global Ultra-Thin Solar Cell Production Capacity (K Units) by Manufacturers in 2022

Table 4. Global Ultra-Thin Solar Cell Production by Manufacturers (2018-2023) & (K Units)

Table 5. Global Ultra-Thin Solar Cell Production Market Share by Manufacturers (2018-2023)

Table 6. Global Ultra-Thin Solar Cell Production Value by Manufacturers (2018-2023) & (US\$ Million)

Table 7. Global Ultra-Thin Solar Cell Production Value Share by Manufacturers (2018-2023)

Table 8. Global Ultra-Thin Solar Cell Industry Ranking 2021 VS 2022 VS 2023

Table 9. Company Type (Tier 1, Tier 2 and Tier 3) & (based on the Revenue in Ultra-Thin Solar Cell as of 2022)

Table 10. Global Market Ultra-Thin Solar Cell Average Price by Manufacturers (US\$/Unit) & (2018-2023)

Table 11. Manufacturers Ultra-Thin Solar Cell Production Sites and Area Served

Table 12. Manufacturers Ultra-Thin Solar Cell Product Types

Table 13. Global Ultra-Thin Solar Cell Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 14. Mergers & Acquisitions, Expansion

Table 15. Global Ultra-Thin Solar Cell Production Value by Region: 2018 VS 2022 VS 2029 (US\$ Million)

Table 16. Global Ultra-Thin Solar Cell Production Value (US\$ Million) by Region (2018-2023)

Table 17. Global Ultra-Thin Solar Cell Production Value Market Share by Region (2018-2023)

Table 18. Global Ultra-Thin Solar Cell Production Value (US\$ Million) Forecast by Region (2024-2029)

Table 19. Global Ultra-Thin Solar Cell Production Value Market Share Forecast by Region (2024-2029)

Table 20. Global Ultra-Thin Solar Cell Production Comparison by Region: 2018 VS

2022 VS 2029 (K Units)

Table 21. Global Ultra-Thin Solar Cell Production (K Units) by Region (2018-2023)

Table 22. Global Ultra-Thin Solar Cell Production Market Share by Region (2018-2023)

Table 23. Global Ultra-Thin Solar Cell Production (K Units) Forecast by Region (2024-2029)

Table 24. Global Ultra-Thin Solar Cell Production Market Share Forecast by Region (2024-2029)

Table 25. Global Ultra-Thin Solar Cell Market Average Price (US\$/Unit) by Region (2018-2023)

Table 26. Global Ultra-Thin Solar Cell Market Average Price (US\$/Unit) by Region (2024-2029)

Table 27. Global Ultra-Thin Solar Cell Consumption Growth Rate by Region: 2018 VS 2022 VS 2029 (K Units)

Table 28. Global Ultra-Thin Solar Cell Consumption by Region (2018-2023) & (K Units)

Table 29. Global Ultra-Thin Solar Cell Consumption Market Share by Region (2018-2023)

Table 30. Global Ultra-Thin Solar Cell Forecasted Consumption by Region (2024-2029) & (K Units)

Table 31. Global Ultra-Thin Solar Cell Forecasted Consumption Market Share by Region (2018-2023)

Table 32. North America Ultra-Thin Solar Cell Consumption Growth Rate by Country: 2018 VS 2022 VS 2029 (K Units)

Table 33. North America Ultra-Thin Solar Cell Consumption by Country (2018-2023) & (K Units)

Table 34. North America Ultra-Thin Solar Cell Consumption by Country (2024-2029) & (K Units)

Table 35. Europe Ultra-Thin Solar Cell Consumption Growth Rate by Country: 2018 VS 2022 VS 2029 (K Units)

Table 36. Europe Ultra-Thin Solar Cell Consumption by Country (2018-2023) & (K Units)

Table 37. Europe Ultra-Thin Solar Cell Consumption by Country (2024-2029) & (K Units)

Table 38. Asia Pacific Ultra-Thin Solar Cell Consumption Growth Rate by Region: 2018 VS 2022 VS 2029 (K Units)

Table 39. Asia Pacific Ultra-Thin Solar Cell Consumption by Region (2018-2023) & (K Units)

Table 40. Asia Pacific Ultra-Thin Solar Cell Consumption by Region (2024-2029) & (K Units)

Table 41. Latin America, Middle East & Africa Ultra-Thin Solar Cell Consumption

Growth Rate by Country: 2018 VS 2022 VS 2029 (K Units)

Table 42. Latin America, Middle East & Africa Ultra-Thin Solar Cell Consumption by Country (2018-2023) & (K Units)

Table 43. Latin America, Middle East & Africa Ultra-Thin Solar Cell Consumption by Country (2024-2029) & (K Units)

Table 44. Global Ultra-Thin Solar Cell Production (K Units) by Type (2018-2023)

Table 45. Global Ultra-Thin Solar Cell Production (K Units) by Type (2024-2029)

Table 46. Global Ultra-Thin Solar Cell Production Market Share by Type (2018-2023)

Table 47. Global Ultra-Thin Solar Cell Production Market Share by Type (2024-2029)

Table 48. Global Ultra-Thin Solar Cell Production Value (US\$ Million) by Type (2018-2023)

Table 49. Global Ultra-Thin Solar Cell Production Value (US\$ Million) by Type (2024-2029)

Table 50. Global Ultra-Thin Solar Cell Production Value Share by Type (2018-2023)

Table 51. Global Ultra-Thin Solar Cell Production Value Share by Type (2024-2029)

Table 52. Global Ultra-Thin Solar Cell Price (US\$/Unit) by Type (2018-2023)

Table 53. Global Ultra-Thin Solar Cell Price (US\$/Unit) by Type (2024-2029)

Table 54. Global Ultra-Thin Solar Cell Production (K Units) by Application (2018-2023)

Table 55. Global Ultra-Thin Solar Cell Production (K Units) by Application (2024-2029)

Table 56. Global Ultra-Thin Solar Cell Production Market Share by Application (2018-2023)

Table 57. Global Ultra-Thin Solar Cell Production Market Share by Application (2024-2029)

Table 58. Global Ultra-Thin Solar Cell Production Value (US\$ Million) by Application (2018-2023)

Table 59. Global Ultra-Thin Solar Cell Production Value (US\$ Million) by Application (2024-2029)

Table 60. Global Ultra-Thin Solar Cell Production Value Share by Application (2018-2023)

Table 61. Global Ultra-Thin Solar Cell Production Value Share by Application (2024-2029)

Table 62. Global Ultra-Thin Solar Cell Price (US\$/Unit) by Application (2018-2023)

Table 63. Global Ultra-Thin Solar Cell Price (US\$/Unit) by Application (2024-2029)

Table 64. First Solar Ultra-Thin Solar Cell Corporation Information

Table 65. First Solar Specification and Application

Table 66. First Solar Ultra-Thin Solar Cell Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 67. First Solar Main Business and Markets Served

Table 68. First Solar Recent Developments/Updates

- Table 69. Kaneka Corporation Ultra-Thin Solar Cell Corporation Information
- Table 70. Kaneka Corporation Specification and Application
- Table 71. Kaneka Corporation Ultra-Thin Solar Cell Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 72. Kaneka Corporation Main Business and Markets Served
- Table 73. Kaneka Corporation Recent Developments/Updates
- Table 74. Mitsubishi Corporation Ultra-Thin Solar Cell Corporation Information
- Table 75. Mitsubishi Corporation Specification and Application
- Table 76. Mitsubishi Corporation Ultra-Thin Solar Cell Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 77. Mitsubishi Corporation Main Business and Markets Served
- Table 78. Mitsubishi Corporation Recent Developments/Updates
- Table 79. Shunfeng International Clean Energy Ultra-Thin Solar Cell Corporation Information
- Table 80. Shunfeng International Clean Energy Specification and Application
- Table 81. Shunfeng International Clean Energy Ultra-Thin Solar Cell Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 82. Shunfeng International Clean Energy Main Business and Markets Served
- Table 83. Shunfeng International Clean Energy Recent Developments/Updates
- Table 84. Solar Frontier Ultra-Thin Solar Cell Corporation Information
- Table 85. Solar Frontier Specification and Application
- Table 86. Solar Frontier Ultra-Thin Solar Cell Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 87. Solar Frontier Main Business and Markets Served
- Table 88. Solar Frontier Recent Developments/Updates
- Table 89. Changzhou EGing Photovoltaic Technology Ultra-Thin Solar Cell Corporation Information
- Table 90. Changzhou EGing Photovoltaic Technology Specification and Application
- Table 91. Changzhou EGing Photovoltaic Technology Ultra-Thin Solar Cell Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 92. Changzhou EGing Photovoltaic Technology Main Business and Markets Served
- Table 93. Changzhou EGing Photovoltaic Technology Recent Developments/Updates
- Table 94. GCL-Poly Energy Holdings Ultra-Thin Solar Cell Corporation Information
- Table 95. GCL-Poly Energy Holdings Specification and Application
- Table 96. GCL-Poly Energy Holdings Ultra-Thin Solar Cell Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 97. GCL-Poly Energy Holdings Main Business and Markets Served
- Table 98. GCL-Poly Energy Holdings Recent Developments/Updates

Table 99. Sharp Corporation Ultra-Thin Solar Cell Corporation Information

Table 100. Sharp Corporation Specification and Application

Table 101. Sharp Corporation Ultra-Thin Solar Cell Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 102. Sharp Corporation Main Business and Markets Served

Table 103. Sharp Corporation Recent Developments/Updates

Table 104. Tongwei Solar Ultra-Thin Solar Cell Corporation Information

Table 105. Tongwei Solar Specification and Application

Table 106. Tongwei Solar Ultra-Thin Solar Cell Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 107. Tongwei Solar Main Business and Markets Served

Table 108. Tongwei Solar Recent Developments/Updates

Table 109. Trony Solar Holdings Company Ultra-Thin Solar Cell Corporation Information

Table 110. Trony Solar Holdings Company Specification and Application

Table 111. Trony Solar Holdings Company Ultra-Thin Solar Cell Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 112. Trony Solar Holdings Company Main Business and Markets Served

Table 113. Trony Solar Holdings Company Recent Developments/Updates

Table 114. Key Raw Materials Lists

Table 115. Raw Materials Key Suppliers Lists

Table 116. Ultra-Thin Solar Cell Distributors List

Table 117. Ultra-Thin Solar Cell Customers List

Table 118. Ultra-Thin Solar Cell Market Trends

Table 119. Ultra-Thin Solar Cell Market Drivers

Table 120. Ultra-Thin Solar Cell Market Challenges

Table 121. Ultra-Thin Solar Cell Market Restraints

Table 122. Research Programs/Design for This Report

Table 123. Key Data Information from Secondary Sources

Table 124. Key Data Information from Primary Sources

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of Ultra-Thin Solar Cell
- Figure 2. Global Ultra-Thin Solar Cell Market Value by Type, (US\$ Million) & (2022 VS 2029)
- Figure 3. Global Ultra-Thin Solar Cell Market Share by Type: 2022 VS 2029
- Figure 4. Cadmium Telluride (CdTe) Product Picture
- Figure 5. Copper Indium Gallium Diselenide (CIGS) Product Picture
- Figure 6. Amorphous Thin-Film Silicon (ATFS) Product Picture
- Figure 7. Others Product Picture
- Figure 8. Global Ultra-Thin Solar Cell Market Value by Application, (US\$ Million) & (2022 VS 2029)
- Figure 9. Global Ultra-Thin Solar Cell Market Share by Application: 2022 VS 2029
- Figure 10. Industrial
- Figure 11. Residential
- Figure 12. Commercial
- Figure 13. Global Ultra-Thin Solar Cell Production Value (US\$ Million), 2018 VS 2022 VS 2029
- Figure 14. Global Ultra-Thin Solar Cell Production Value (US\$ Million) & (2018-2029)
- Figure 15. Global Ultra-Thin Solar Cell Production (K Units) & (2018-2029)
- Figure 16. Global Ultra-Thin Solar Cell Average Price (US\$/Unit) & (2018-2029)
- Figure 17. Ultra-Thin Solar Cell Report Years Considered
- Figure 18. Ultra-Thin Solar Cell Production Share by Manufacturers in 2022
- Figure 19. Ultra-Thin Solar Cell Market Share by Company Type (Tier 1, Tier 2, and Tier 3): 2018 VS 2022
- Figure 20. The Global 5 and 10 Largest Players: Market Share by Ultra-Thin Solar Cell Revenue in 2022
- Figure 21. Global Ultra-Thin Solar Cell Production Value by Region: 2018 VS 2022 VS 2029 (US\$ Million)
- Figure 22. Global Ultra-Thin Solar Cell Production Value Market Share by Region: 2018 VS 2022 VS 2029
- Figure 23. Global Ultra-Thin Solar Cell Production Comparison by Region: 2018 VS 2022 VS 2029 (K Units)
- Figure 24. Global Ultra-Thin Solar Cell Production Market Share by Region: 2018 VS 2022 VS 2029
- Figure 25. North America Ultra-Thin Solar Cell Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 26. Europe Ultra-Thin Solar Cell Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 27. China Ultra-Thin Solar Cell Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 28. Japan Ultra-Thin Solar Cell Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 29. Global Ultra-Thin Solar Cell Consumption by Region: 2018 VS 2022 VS 2029 (K Units)

Figure 30. Global Ultra-Thin Solar Cell Consumption Market Share by Region: 2018 VS 2022 VS 2029

Figure 31. North America Ultra-Thin Solar Cell Consumption and Growth Rate (2018-2023) & (K Units)

Figure 32. North America Ultra-Thin Solar Cell Consumption Market Share by Country (2018-2029)

Figure 33. Canada Ultra-Thin Solar Cell Consumption and Growth Rate (2018-2023) & (K Units)

Figure 34. U.S. Ultra-Thin Solar Cell Consumption and Growth Rate (2018-2023) & (K Units)

Figure 35. Europe Ultra-Thin Solar Cell Consumption and Growth Rate (2018-2023) & (K Units)

Figure 36. Europe Ultra-Thin Solar Cell Consumption Market Share by Country (2018-2029)

Figure 37. Germany Ultra-Thin Solar Cell Consumption and Growth Rate (2018-2023) & (K Units)

Figure 38. France Ultra-Thin Solar Cell Consumption and Growth Rate (2018-2023) & (K Units)

Figure 39. U.K. Ultra-Thin Solar Cell Consumption and Growth Rate (2018-2023) & (K Units)

Figure 40. Italy Ultra-Thin Solar Cell Consumption and Growth Rate (2018-2023) & (K Units)

Figure 41. Russia Ultra-Thin Solar Cell Consumption and Growth Rate (2018-2023) & (K Units)

Figure 42. Asia Pacific Ultra-Thin Solar Cell Consumption and Growth Rate (2018-2023) & (K Units)

Figure 43. Asia Pacific Ultra-Thin Solar Cell Consumption Market Share by Regions (2018-2029)

Figure 44. China Ultra-Thin Solar Cell Consumption and Growth Rate (2018-2023) & (K Units)

Figure 45. Japan Ultra-Thin Solar Cell Consumption and Growth Rate (2018-2023) & (K

Units)

Figure 46. South Korea Ultra-Thin Solar Cell Consumption and Growth Rate (2018-2023) & (K Units)

Figure 47. China Taiwan Ultra-Thin Solar Cell Consumption and Growth Rate (2018-2023) & (K Units)

Figure 48. Southeast Asia Ultra-Thin Solar Cell Consumption and Growth Rate (2018-2023) & (K Units)

Figure 49. India Ultra-Thin Solar Cell Consumption and Growth Rate (2018-2023) & (K Units)

Figure 50. Latin America, Middle East & Africa Ultra-Thin Solar Cell Consumption and Growth Rate (2018-2023) & (K Units)

Figure 51. Latin America, Middle East & Africa Ultra-Thin Solar Cell Consumption Market Share by Country (2018-2029)

Figure 52. Mexico Ultra-Thin Solar Cell Consumption and Growth Rate (2018-2023) & (K Units)

Figure 53. Brazil Ultra-Thin Solar Cell Consumption and Growth Rate (2018-2023) & (K Units)

Figure 54. Turkey Ultra-Thin Solar Cell Consumption and Growth Rate (2018-2023) & (K Units)

Figure 55. GCC Countries Ultra-Thin Solar Cell Consumption and Growth Rate (2018-2023) & (K Units)

Figure 56. Global Production Market Share of Ultra-Thin Solar Cell by Type (2018-2029)

Figure 57. Global Production Value Market Share of Ultra-Thin Solar Cell by Type (2018-2029)

Figure 58. Global Ultra-Thin Solar Cell Price (US\$/Unit) by Type (2018-2029)

Figure 59. Global Production Market Share of Ultra-Thin Solar Cell by Application (2018-2029)

Figure 60. Global Production Value Market Share of Ultra-Thin Solar Cell by Application (2018-2029)

Figure 61. Global Ultra-Thin Solar Cell Price (US\$/Unit) by Application (2018-2029)

Figure 62. Ultra-Thin Solar Cell Value Chain

Figure 63. Ultra-Thin Solar Cell Production Process

Figure 64. Channels of Distribution (Direct Vs Distribution)

Figure 65. Distributors Profiles

Figure 66. Bottom-up and Top-down Approaches for This Report

Figure 67. Data Triangulation

I would like to order

Product name: Global Ultra-Thin Solar Cell Market Research Report 2023

Product link: <https://marketpublishers.com/r/GDEEB298A85CEN.html>

Price: US\$ 2,900.00 (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/GDEEB298A85CEN.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