

Global CIGS Thin Film Solar Cell Market Insights, Forecast to 2029

<https://marketpublishers.com/r/G4CB298C1357EN.html>

Date: November 2023

Pages: 131

Price: US\$ 4,900.00 (Single User License)

ID: G4CB298C1357EN

Abstracts

This report presents an overview of global market for CIGS Thin Film Solar Cell, capacity, output, revenue and price. Analyses of the global market trends, with historic market revenue/sales data for 2018 - 2022, estimates for 2023, and projections of CAGR through 2029.

This report researches the key producers of CIGS Thin Film Solar Cell, also provides the consumption of main regions and countries. Highlights of the upcoming market potential for CIGS Thin Film Solar Cell, and key regions/countries of focus to forecast this market into various segments and sub-segments. Country specific data and market value analysis for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, Middle East, Africa, and Other Countries.

This report focuses on the CIGS Thin Film Solar Cell sales, revenue, market share and industry ranking of main manufacturers, data from 2018 to 2023. Identification of the major stakeholders in the global CIGS Thin Film Solar Cell market, and analysis of their competitive landscape and market positioning based on recent developments and segmental revenues. This report will help stakeholders to understand the competitive landscape and gain more insights and position their businesses and market strategies in a better way.

This report analyzes the segments data by Type and by Application, sales, revenue, and price, from 2018 to 2029. Evaluation and forecast the market size for CIGS Thin Film Solar Cell sales, projected growth trends, production technology, application and end-user industry.

Descriptive company profiles of the major global players, including Solar Frontier, SoloPower, Stion, Avancis, Manz, DowDuPont, Siva Power, Hanergy and Solibro, etc.

By Company

Solar Frontier

SoloPower

Stion

Avancis

Manz

DowDuPont

Siva Power

Hanergy

Solibro

Miasole

Global Solar

Flisom

Segment by Type

TF PV Technology

Traditional PV Technology

Segment by Application

Residential

Commercial

Ground Station

Others

Production by Region

North America

Europe

China

Japan

Sales by Region

US & Canada

U.S.

Canada

China

Asia (excluding China)

Japan

South Korea

China Taiwan

Southeast Asia

India

Europe

Germany

France

U.K.

Italy

Russia

Middle East, Africa, Latin America

Brazil

Mexico

Turkey

Israel

GCC Countries

Chapter Outline

Chapter 1: Introduces the report scope of the report, executive summary of different market segments (by Type and by Application, etc.), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 2: CIGS Thin Film Solar Cell production/output of global and key producers (regions/countries). It provides a quantitative analysis of the production and development potential of each producer in the next six years.

Chapter 3: Sales (consumption), revenue of CIGS Thin Film Solar Cell in global, regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 4: Detailed analysis of CIGS Thin Film Solar Cell manufacturers competitive landscape, price, sales, revenue, market share and industry ranking, latest development plan, merger, and acquisition information, etc.

Chapter 5: Provides the analysis of various market segments by type, covering the sales, revenue, average price, and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 6: Provides the analysis of various market segments by application, covering the sales, revenue, average price, and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 7: North America (US & Canada) by type, by application and by country, sales and revenue for each segment.

Chapter 8: Europe by type, by application and by country, sales and revenue for each segment.

Chapter 9: China by type and by application sales and revenue for each segment.

Chapter 10: Asia (excluding China) by type, by application and by region, sales and revenue for each segment.

Chapter 11: Middle East, Africa, Latin America by type, by application and by country, sales and revenue for each segment.

Chapter 12: Provides profiles of key manufacturers, introducing the basic situation of the main companies in the market in detail, including product descriptions and specifications, CIGS Thin Film Solar Cell sales, revenue, price, gross margin, and recent development, etc.

Chapter 13: Analysis of industrial chain, sales channel, key raw materials, distributors

and customers.

Chapter 14: Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 15: The main points and conclusions of the report.

Contents

1 OIL BUFFER MARKET OVERVIEW

- 1.1 Product Definition
- 1.2 Oil Buffer Segment by Type
 - 1.2.1 Global Oil Buffer Market Value Growth Rate Analysis by Type 2022 VS 2029
 - 1.2.2 Adjustable Oil Buffer
 - 1.2.3 Non-adjustable Oil Buffer
- 1.3 Oil Buffer Segment by Application
 - 1.3.1 Global Oil Buffer Market Value Growth Rate Analysis by Application: 2022 VS 2029
 - 1.3.2 Industrial Automation Equipment
 - 1.3.3 Elevators and Lifting Equipment
 - 1.3.4 Other
- 1.4 Global Market Growth Prospects
 - 1.4.1 Global Oil Buffer Production Value Estimates and Forecasts (2018-2029)
 - 1.4.2 Global Oil Buffer Production Capacity Estimates and Forecasts (2018-2029)
 - 1.4.3 Global Oil Buffer Production Estimates and Forecasts (2018-2029)
 - 1.4.4 Global Oil Buffer Market Average Price Estimates and Forecasts (2018-2029)
- 1.5 Assumptions and Limitations

2 MARKET COMPETITION BY MANUFACTURERS

- 2.1 Global Oil Buffer Production Market Share by Manufacturers (2018-2023)
- 2.2 Global Oil Buffer Production Value Market Share by Manufacturers (2018-2023)
- 2.3 Global Key Players of Oil Buffer, Industry Ranking, 2021 VS 2022 VS 2023
- 2.4 Global Oil Buffer Market Share by Company Type (Tier 1, Tier 2 and Tier 3)
- 2.5 Global Oil Buffer Average Price by Manufacturers (2018-2023)
- 2.6 Global Key Manufacturers of Oil Buffer, Manufacturing Base Distribution and Headquarters
- 2.7 Global Key Manufacturers of Oil Buffer, Product Offered and Application
- 2.8 Global Key Manufacturers of Oil Buffer, Date of Enter into This Industry
- 2.9 Oil Buffer Market Competitive Situation and Trends
 - 2.9.1 Oil Buffer Market Concentration Rate
 - 2.9.2 Global 5 and 10 Largest Oil Buffer Players Market Share by Revenue
- 2.10 Mergers & Acquisitions, Expansion

3 OIL BUFFER PRODUCTION BY REGION

- 3.1 Global Oil Buffer Production Value Estimates and Forecasts by Region: 2018 VS 2022 VS 2029
- 3.2 Global Oil Buffer Production Value by Region (2018-2029)
 - 3.2.1 Global Oil Buffer Production Value Market Share by Region (2018-2023)
 - 3.2.2 Global Forecasted Production Value of Oil Buffer by Region (2024-2029)
- 3.3 Global Oil Buffer Production Estimates and Forecasts by Region: 2018 VS 2022 VS 2029
- 3.4 Global Oil Buffer Production by Region (2018-2029)
 - 3.4.1 Global Oil Buffer Production Market Share by Region (2018-2023)
 - 3.4.2 Global Forecasted Production of Oil Buffer by Region (2024-2029)
- 3.5 Global Oil Buffer Market Price Analysis by Region (2018-2023)
- 3.6 Global Oil Buffer Production and Value, Year-over-Year Growth
 - 3.6.1 North America Oil Buffer Production Value Estimates and Forecasts (2018-2029)
 - 3.6.2 Europe Oil Buffer Production Value Estimates and Forecasts (2018-2029)
 - 3.6.3 China Oil Buffer Production Value Estimates and Forecasts (2018-2029)
 - 3.6.4 Japan Oil Buffer Production Value Estimates and Forecasts (2018-2029)

4 OIL BUFFER CONSUMPTION BY REGION

- 4.1 Global Oil Buffer Consumption Estimates and Forecasts by Region: 2018 VS 2022 VS 2029
- 4.2 Global Oil Buffer Consumption by Region (2018-2029)
 - 4.2.1 Global Oil Buffer Consumption by Region (2018-2023)
 - 4.2.2 Global Oil Buffer Forecasted Consumption by Region (2024-2029)
- 4.3 North America
 - 4.3.1 North America Oil Buffer Consumption Growth Rate by Country: 2018 VS 2022 VS 2029
 - 4.3.2 North America Oil Buffer Consumption by Country (2018-2029)
 - 4.3.3 United States
 - 4.3.4 Canada
- 4.4 Europe
 - 4.4.1 Europe Oil Buffer Consumption Growth Rate by Country: 2018 VS 2022 VS 2029
 - 4.4.2 Europe Oil Buffer 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 Oil Buffer Consumption Growth Rate by Region: 2018 VS 2022 VS 2029

4.5.2 Asia Pacific Oil Buffer 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 Oil Buffer Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

4.6.2 Latin America, Middle East & Africa Oil Buffer Consumption by Country (2018-2029)

4.6.3 Mexico

4.6.4 Brazil

4.6.5 Turkey

5 SEGMENT BY TYPE

5.1 Global Oil Buffer Production by Type (2018-2029)

5.1.1 Global Oil Buffer Production by Type (2018-2023)

5.1.2 Global Oil Buffer Production by Type (2024-2029)

5.1.3 Global Oil Buffer Production Market Share by Type (2018-2029)

5.2 Global Oil Buffer Production Value by Type (2018-2029)

5.2.1 Global Oil Buffer Production Value by Type (2018-2023)

5.2.2 Global Oil Buffer Production Value by Type (2024-2029)

5.2.3 Global Oil Buffer Production Value Market Share by Type (2018-2029)

5.3 Global Oil Buffer Price by Type (2018-2029)

6 SEGMENT BY APPLICATION

6.1 Global Oil Buffer Production by Application (2018-2029)

6.1.1 Global Oil Buffer Production by Application (2018-2023)

6.1.2 Global Oil Buffer Production by Application (2024-2029)

6.1.3 Global Oil Buffer Production Market Share by Application (2018-2029)

6.2 Global Oil Buffer Production Value by Application (2018-2029)

6.2.1 Global Oil Buffer Production Value by Application (2018-2023)

- 6.2.2 Global Oil Buffer Production Value by Application (2024-2029)
- 6.2.3 Global Oil Buffer Production Value Market Share by Application (2018-2029)
- 6.3 Global Oil Buffer Price by Application (2018-2029)

7 KEY COMPANIES PROFILED

7.1 Weforma

- 7.1.1 Weforma Oil Buffer Corporation Information
- 7.1.2 Weforma Oil Buffer Product Portfolio
- 7.1.3 Weforma Oil Buffer Production, Value, Price and Gross Margin (2018-2023)
- 7.1.4 Weforma Main Business and Markets Served
- 7.1.5 Weforma Recent Developments/Updates

7.2 Enidine

- 7.2.1 Enidine Oil Buffer Corporation Information
- 7.2.2 Enidine Oil Buffer Product Portfolio
- 7.2.3 Enidine Oil Buffer Production, Value, Price and Gross Margin (2018-2023)
- 7.2.4 Enidine Main Business and Markets Served
- 7.2.5 Enidine Recent Developments/Updates

7.3 ACE

- 7.3.1 ACE Oil Buffer Corporation Information
- 7.3.2 ACE Oil Buffer Product Portfolio
- 7.3.3 ACE Oil Buffer Production, Value, Price and Gross Margin (2018-2023)
- 7.3.4 ACE Main Business and Markets Served
- 7.3.5 ACE Recent Developments/Updates

7.4 Wittur

- 7.4.1 Wittur Oil Buffer Corporation Information
- 7.4.2 Wittur Oil Buffer Product Portfolio
- 7.4.3 Wittur Oil Buffer Production, Value, Price and Gross Margin (2018-2023)
- 7.4.4 Wittur Main Business and Markets Served
- 7.4.5 Wittur Recent Developments/Updates

7.5 CJAC

- 7.5.1 CJAC Oil Buffer Corporation Information
- 7.5.2 CJAC Oil Buffer Product Portfolio
- 7.5.3 CJAC Oil Buffer Production, Value, Price and Gross Margin (2018-2023)
- 7.5.4 CJAC Main Business and Markets Served
- 7.5.5 CJAC Recent Developments/Updates

7.6 Airtac

- 7.6.1 Airtac Oil Buffer Corporation Information
- 7.6.2 Airtac Oil Buffer Product Portfolio

- 7.6.3 Airtac Oil Buffer Production, Value, Price and Gross Margin (2018-2023)
- 7.6.4 Airtac Main Business and Markets Served
- 7.6.5 Airtac Recent Developments/Updates
- 7.7 Zhejiang XingChen Pneumatic
 - 7.7.1 Zhejiang XingChen Pneumatic Oil Buffer Corporation Information
 - 7.7.2 Zhejiang XingChen Pneumatic Oil Buffer Product Portfolio
 - 7.7.3 Zhejiang XingChen Pneumatic Oil Buffer Production, Value, Price and Gross Margin (2018-2023)
 - 7.7.4 Zhejiang XingChen Pneumatic Main Business and Markets Served
 - 7.7.5 Zhejiang XingChen Pneumatic Recent Developments/Updates
- 7.8 EA Controls(Ningbo)
 - 7.8.1 EA Controls(Ningbo) Oil Buffer Corporation Information
 - 7.8.2 EA Controls(Ningbo) Oil Buffer Product Portfolio
 - 7.8.3 EA Controls(Ningbo) Oil Buffer Production, Value, Price and Gross Margin (2018-2023)
 - 7.8.4 EA Controls(Ningbo) Main Business and Markets Served
 - 7.7.5 EA Controls(Ningbo) Recent Developments/Updates
- 7.9 Hangzhou Huning Elevator Parts
 - 7.9.1 Hangzhou Huning Elevator Parts Oil Buffer Corporation Information
 - 7.9.2 Hangzhou Huning Elevator Parts Oil Buffer Product Portfolio
 - 7.9.3 Hangzhou Huning Elevator Parts Oil Buffer Production, Value, Price and Gross Margin (2018-2023)
 - 7.9.4 Hangzhou Huning Elevator Parts Main Business and Markets Served
 - 7.9.5 Hangzhou Huning Elevator Parts Recent Developments/Updates
- 7.10 Chena
 - 7.10.1 Chena Oil Buffer Corporation Information
 - 7.10.2 Chena Oil Buffer Product Portfolio
 - 7.10.3 Chena Oil Buffer Production, Value, Price and Gross Margin (2018-2023)
 - 7.10.4 Chena Main Business and Markets Served
 - 7.10.5 Chena Recent Developments/Updates
- 7.11 Lift Solutions
 - 7.11.1 Lift Solutions Oil Buffer Corporation Information
 - 7.11.2 Lift Solutions Oil Buffer Product Portfolio
 - 7.11.3 Lift Solutions Oil Buffer Production, Value, Price and Gross Margin (2018-2023)
 - 7.11.4 Lift Solutions Main Business and Markets Served
 - 7.11.5 Lift Solutions Recent Developments/Updates
- 7.12 Delco
 - 7.12.1 Delco Oil Buffer Corporation Information
 - 7.12.2 Delco Oil Buffer Product Portfolio

- 7.12.3 Delco Oil Buffer Production, Value, Price and Gross Margin (2018-2023)
- 7.12.4 Delco Main Business and Markets Served
- 7.12.5 Delco Recent Developments/Updates
- 7.13 Hebei Dongfang Fuda Machinery
 - 7.13.1 Hebei Dongfang Fuda Machinery Oil Buffer Corporation Information
 - 7.13.2 Hebei Dongfang Fuda Machinery Oil Buffer Product Portfolio
 - 7.13.3 Hebei Dongfang Fuda Machinery Oil Buffer Production, Value, Price and Gross Margin (2018-2023)
 - 7.13.4 Hebei Dongfang Fuda Machinery Main Business and Markets Served
 - 7.13.5 Hebei Dongfang Fuda Machinery Recent Developments/Updates
- 7.14 Hollister-Whitney
 - 7.14.1 Hollister-Whitney Oil Buffer Corporation Information
 - 7.14.2 Hollister-Whitney Oil Buffer Product Portfolio
 - 7.14.3 Hollister-Whitney Oil Buffer Production, Value, Price and Gross Margin (2018-2023)
 - 7.14.4 Hollister-Whitney Main Business and Markets Served
 - 7.14.5 Hollister-Whitney Recent Developments/Updates
- 7.15 HydronicLift
 - 7.15.1 HydronicLift Oil Buffer Corporation Information
 - 7.15.2 HydronicLift Oil Buffer Product Portfolio
 - 7.15.3 HydronicLift Oil Buffer Production, Value, Price and Gross Margin (2018-2023)
 - 7.15.4 HydronicLift Main Business and Markets Served
 - 7.15.5 HydronicLift Recent Developments/Updates
- 7.16 KUNSHAN HOLDER ELECTROMECHANICAL
 - 7.16.1 KUNSHAN HOLDER ELECTROMECHANICAL Oil Buffer Corporation Information
 - 7.16.2 KUNSHAN HOLDER ELECTROMECHANICAL Oil Buffer Product Portfolio
 - 7.16.3 KUNSHAN HOLDER ELECTROMECHANICAL Oil Buffer Production, Value, Price and Gross Margin (2018-2023)
 - 7.16.4 KUNSHAN HOLDER ELECTROMECHANICAL Main Business and Markets Served
 - 7.16.5 KUNSHAN HOLDER ELECTROMECHANICAL Recent Developments/Updates

8 INDUSTRY CHAIN AND SALES CHANNELS ANALYSIS

- 8.1 Oil Buffer Industry Chain Analysis
- 8.2 Oil Buffer Key Raw Materials
 - 8.2.1 Key Raw Materials
 - 8.2.2 Raw Materials Key Suppliers

8.3 Oil Buffer Production Mode & Process

8.4 Oil Buffer Sales and Marketing

8.4.1 Oil Buffer Sales Channels

8.4.2 Oil Buffer Distributors

8.5 Oil Buffer Customers

9 OIL BUFFER MARKET DYNAMICS

9.1 Oil Buffer Industry Trends

9.2 Oil Buffer Market Drivers

9.3 Oil Buffer Market Challenges

9.4 Oil Buffer 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 CIGS Thin Film Solar Cell Market Size Growth Rate by Type, 2018 VS 2022 VS 2029 (US\$ Million)

Table 2. Major Manufacturers of TF PV Technology

Table 3. Major Manufacturers of Traditional PV Technology

Table 4. Global CIGS Thin Film Solar Cell Market Size Growth Rate by Application, 2018 VS 2022 VS 2029 (US\$ Million)

Table 5. Global CIGS Thin Film Solar Cell Production by Region: 2018 VS 2022 VS 2029 (GWh)

Table 6. Global CIGS Thin Film Solar Cell Production by Region (2018-2023) & (GWh)

Table 7. Global CIGS Thin Film Solar Cell Production by Region (2024-2029) & (GWh)

Table 8. Global CIGS Thin Film Solar Cell Production Market Share by Region (2018-2023)

Table 9. Global CIGS Thin Film Solar Cell Production Market Share by Region (2024-2029)

Table 10. Global CIGS Thin Film Solar Cell Revenue Grow Rate (CAGR) by Region: 2018 VS 2022 VS 2029 (US\$ Million)

Table 11. Global CIGS Thin Film Solar Cell Revenue by Region (2018-2023) & (US\$ Million)

Table 12. Global CIGS Thin Film Solar Cell Revenue by Region (2024-2029) & (US\$ Million)

Table 13. Global CIGS Thin Film Solar Cell Revenue Market Share by Region (2018-2023)

Table 14. Global CIGS Thin Film Solar Cell Revenue Market Share by Region (2024-2029)

Table 15. Global CIGS Thin Film Solar Cell Sales Grow Rate (CAGR) by Region: 2018 VS 2022 VS 2029 (US\$ Million)

Table 16. Global CIGS Thin Film Solar Cell Sales by Region (2018-2023) & (GWh)

Table 17. Global CIGS Thin Film Solar Cell Sales by Region (2024-2029) & (GWh)

Table 18. Global CIGS Thin Film Solar Cell Sales Market Share by Region (2018-2023)

Table 19. Global CIGS Thin Film Solar Cell Sales Market Share by Region (2024-2029)

Table 20. Global CIGS Thin Film Solar Cell Sales by Manufacturers (2018-2023) & (GWh)

Table 21. Global CIGS Thin Film Solar Cell Sales Share by Manufacturers (2018-2023)

Table 22. Global CIGS Thin Film Solar Cell Revenue by Manufacturers (2018-2023) & (US\$ Million)

Table 23. Global CIGS Thin Film Solar Cell Revenue Share by Manufacturers (2018-2023)

Table 24. CIGS Thin Film Solar Cell Price by Manufacturers 2018-2023 (USD/KWh)

Table 25. Global Key Players of CIGS Thin Film Solar Cell, Industry Ranking, 2021 VS 2022 VS 2023

Table 26. Global CIGS Thin Film Solar Cell Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 27. Global CIGS Thin Film Solar Cell by Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in CIGS Thin Film Solar Cell as of 2022)

Table 28. Global Key Manufacturers of CIGS Thin Film Solar Cell, Manufacturing Base Distribution and Headquarters

Table 29. Global Key Manufacturers of CIGS Thin Film Solar Cell, Product Offered and Application

Table 30. Global Key Manufacturers of CIGS Thin Film Solar Cell, Date of Enter into This Industry

Table 31. Mergers & Acquisitions, Expansion Plans

Table 32. Global CIGS Thin Film Solar Cell Sales by Type (2018-2023) & (GWh)

Table 33. Global CIGS Thin Film Solar Cell Sales by Type (2024-2029) & (GWh)

Table 34. Global CIGS Thin Film Solar Cell Sales Share by Type (2018-2023)

Table 35. Global CIGS Thin Film Solar Cell Sales Share by Type (2024-2029)

Table 36. Global CIGS Thin Film Solar Cell Revenue by Type (2018-2023) & (US\$ Million)

Table 37. Global CIGS Thin Film Solar Cell Revenue by Type (2024-2029) & (US\$ Million)

Table 38. Global CIGS Thin Film Solar Cell Revenue Share by Type (2018-2023)

Table 39. Global CIGS Thin Film Solar Cell Revenue Share by Type (2024-2029)

Table 40. CIGS Thin Film Solar Cell Price by Type (2018-2023) & (USD/KWh)

Table 41. Global CIGS Thin Film Solar Cell Price Forecast by Type (2024-2029) & (USD/KWh)

Table 42. Global CIGS Thin Film Solar Cell Sales by Application (2018-2023) & (GWh)

Table 43. Global CIGS Thin Film Solar Cell Sales by Application (2024-2029) & (GWh)

Table 44. Global CIGS Thin Film Solar Cell Sales Share by Application (2018-2023)

Table 45. Global CIGS Thin Film Solar Cell Sales Share by Application (2024-2029)

Table 46. Global CIGS Thin Film Solar Cell Revenue by Application (2018-2023) & (US\$ Million)

Table 47. Global CIGS Thin Film Solar Cell Revenue by Application (2024-2029) & (US\$ Million)

Table 48. Global CIGS Thin Film Solar Cell Revenue Share by Application (2018-2023)

Table 49. Global CIGS Thin Film Solar Cell Revenue Share by Application (2024-2029)

- Table 50. CIGS Thin Film Solar Cell Price by Application (2018-2023) & (USD/KWh)
- Table 51. Global CIGS Thin Film Solar Cell Price Forecast by Application (2024-2029) & (USD/KWh)
- Table 52. US & Canada CIGS Thin Film Solar Cell Sales by Type (2018-2023) & (GWh)
- Table 53. US & Canada CIGS Thin Film Solar Cell Sales by Type (2024-2029) & (GWh)
- Table 54. US & Canada CIGS Thin Film Solar Cell Revenue by Type (2018-2023) & (US\$ Million)
- Table 55. US & Canada CIGS Thin Film Solar Cell Revenue by Type (2024-2029) & (US\$ Million)
- Table 56. US & Canada CIGS Thin Film Solar Cell Sales by Application (2018-2023) & (GWh)
- Table 57. US & Canada CIGS Thin Film Solar Cell Sales by Application (2024-2029) & (GWh)
- Table 58. US & Canada CIGS Thin Film Solar Cell Revenue by Application (2018-2023) & (US\$ Million)
- Table 59. US & Canada CIGS Thin Film Solar Cell Revenue by Application (2024-2029) & (US\$ Million)
- Table 60. US & Canada CIGS Thin Film Solar Cell Revenue Grow Rate (CAGR) by Country: 2018 VS 2022 VS 2029 (US\$ Million)
- Table 61. US & Canada CIGS Thin Film Solar Cell Revenue by Country (2018-2023) & (US\$ Million)
- Table 62. US & Canada CIGS Thin Film Solar Cell Revenue by Country (2024-2029) & (US\$ Million)
- Table 63. US & Canada CIGS Thin Film Solar Cell Sales by Country (2018-2023) & (GWh)
- Table 64. US & Canada CIGS Thin Film Solar Cell Sales by Country (2024-2029) & (GWh)
- Table 65. Europe CIGS Thin Film Solar Cell Sales by Type (2018-2023) & (GWh)
- Table 66. Europe CIGS Thin Film Solar Cell Sales by Type (2024-2029) & (GWh)
- Table 67. Europe CIGS Thin Film Solar Cell Revenue by Type (2018-2023) & (US\$ Million)
- Table 68. Europe CIGS Thin Film Solar Cell Revenue by Type (2024-2029) & (US\$ Million)
- Table 69. Europe CIGS Thin Film Solar Cell Sales by Application (2018-2023) & (GWh)
- Table 70. Europe CIGS Thin Film Solar Cell Sales by Application (2024-2029) & (GWh)
- Table 71. Europe CIGS Thin Film Solar Cell Revenue by Application (2018-2023) & (US\$ Million)
- Table 72. Europe CIGS Thin Film Solar Cell Revenue by Application (2024-2029) & (US\$ Million)

Table 73. Europe CIGS Thin Film Solar Cell Revenue Grow Rate (CAGR) by Country: 2018 VS 2022 VS 2029 (US\$ Million)

Table 74. Europe CIGS Thin Film Solar Cell Revenue by Country (2018-2023) & (US\$ Million)

Table 75. Europe CIGS Thin Film Solar Cell Revenue by Country (2024-2029) & (US\$ Million)

Table 76. Europe CIGS Thin Film Solar Cell Sales by Country (2018-2023) & (GWh)

Table 77. Europe CIGS Thin Film Solar Cell Sales by Country (2024-2029) & (GWh)

Table 78. China CIGS Thin Film Solar Cell Sales by Type (2018-2023) & (GWh)

Table 79. China CIGS Thin Film Solar Cell Sales by Type (2024-2029) & (GWh)

Table 80. China CIGS Thin Film Solar Cell Revenue by Type (2018-2023) & (US\$ Million)

Table 81. China CIGS Thin Film Solar Cell Revenue by Type (2024-2029) & (US\$ Million)

Table 82. China CIGS Thin Film Solar Cell Sales by Application (2018-2023) & (GWh)

Table 83. China CIGS Thin Film Solar Cell Sales by Application (2024-2029) & (GWh)

Table 84. China CIGS Thin Film Solar Cell Revenue by Application (2018-2023) & (US\$ Million)

Table 85. China CIGS Thin Film Solar Cell Revenue by Application (2024-2029) & (US\$ Million)

Table 86. Asia CIGS Thin Film Solar Cell Sales by Type (2018-2023) & (GWh)

Table 87. Asia CIGS Thin Film Solar Cell Sales by Type (2024-2029) & (GWh)

Table 88. Asia CIGS Thin Film Solar Cell Revenue by Type (2018-2023) & (US\$ Million)

Table 89. Asia CIGS Thin Film Solar Cell Revenue by Type (2024-2029) & (US\$ Million)

Table 90. Asia CIGS Thin Film Solar Cell Sales by Application (2018-2023) & (GWh)

Table 91. Asia CIGS Thin Film Solar Cell Sales by Application (2024-2029) & (GWh)

Table 92. Asia CIGS Thin Film Solar Cell Revenue by Application (2018-2023) & (US\$ Million)

Table 93. Asia CIGS Thin Film Solar Cell Revenue by Application (2024-2029) & (US\$ Million)

Table 94. Asia CIGS Thin Film Solar Cell Revenue Grow Rate (CAGR) by Country: 2018 VS 2022 VS 2029 (US\$ Million)

Table 95. Asia CIGS Thin Film Solar Cell Revenue by Region (2018-2023) & (US\$ Million)

Table 96. Asia CIGS Thin Film Solar Cell Revenue by Region (2024-2029) & (US\$ Million)

Table 97. Asia CIGS Thin Film Solar Cell Sales by Region (2018-2023) & (GWh)

Table 98. Asia CIGS Thin Film Solar Cell Sales by Region (2024-2029) & (GWh)

Table 99. Middle East, Africa and Latin America CIGS Thin Film Solar Cell Sales by

Type (2018-2023) & (GWh)

Table 100. Middle East, Africa and Latin America CIGS Thin Film Solar Cell Sales by Type (2024-2029) & (GWh)

Table 101. Middle East, Africa and Latin America CIGS Thin Film Solar Cell Revenue by Type (2018-2023) & (US\$ Million)

Table 102. Middle East, Africa and Latin America CIGS Thin Film Solar Cell Revenue by Type (2024-2029) & (US\$ Million)

Table 103. Middle East, Africa and Latin America CIGS Thin Film Solar Cell Sales by Application (2018-2023) & (GWh)

Table 104. Middle East, Africa and Latin America CIGS Thin Film Solar Cell Sales by Application (2024-2029) & (GWh)

Table 105. Middle East, Africa and Latin America CIGS Thin Film Solar Cell Revenue by Application (2018-2023) & (US\$ Million)

Table 106. Middle East, Africa and Latin America CIGS Thin Film Solar Cell Revenue by Application (2024-2029) & (US\$ Million)

Table 107. Middle East, Africa and Latin America CIGS Thin Film Solar Cell Revenue Grow Rate (CAGR) by Country: 2018 VS 2022 VS 2029 (US\$ Million)

Table 108. Middle East, Africa and Latin America CIGS Thin Film Solar Cell Revenue by Country (2018-2023) & (US\$ Million)

Table 109. Middle East, Africa and Latin America CIGS Thin Film Solar Cell Revenue by Country (2024-2029) & (US\$ Million)

Table 110. Middle East, Africa and Latin America CIGS Thin Film Solar Cell Sales by Country (2018-2023) & (GWh)

Table 111. Middle East, Africa and Latin America CIGS Thin Film Solar Cell Sales by Country (2024-2029) & (GWh)

Table 112. Solar Frontier Company Information

Table 113. Solar Frontier Description and Major Businesses

Table 114. Solar Frontier CIGS Thin Film Solar Cell Sales (GWh), Revenue (US\$ Million), Price (USD/KWh) and Gross Margin (2018-2023)

Table 115. Solar Frontier CIGS Thin Film Solar Cell Product Model Numbers, Pictures, Descriptions and Specifications

Table 116. Solar Frontier Recent Development

Table 117. SoloPower Company Information

Table 118. SoloPower Description and Major Businesses

Table 119. SoloPower CIGS Thin Film Solar Cell Sales (GWh), Revenue (US\$ Million), Price (USD/KWh) and Gross Margin (2018-2023)

Table 120. SoloPower CIGS Thin Film Solar Cell Product Model Numbers, Pictures, Descriptions and Specifications

Table 121. SoloPower Recent Development

- Table 122. Stion Company Information
- Table 123. Stion Description and Major Businesses
- Table 124. Stion CIGS Thin Film Solar Cell Sales (GWh), Revenue (US\$ Million), Price (USD/KWh) and Gross Margin (2018-2023)
- Table 125. Stion CIGS Thin Film Solar Cell Product Model Numbers, Pictures, Descriptions and Specifications
- Table 126. Stion Recent Development
- Table 127. Avancis Company Information
- Table 128. Avancis Description and Major Businesses
- Table 129. Avancis CIGS Thin Film Solar Cell Sales (GWh), Revenue (US\$ Million), Price (USD/KWh) and Gross Margin (2018-2023)
- Table 130. Avancis CIGS Thin Film Solar Cell Product Model Numbers, Pictures, Descriptions and Specifications
- Table 131. Avancis Recent Development
- Table 132. Manz Company Information
- Table 133. Manz Description and Major Businesses
- Table 134. Manz CIGS Thin Film Solar Cell Sales (GWh), Revenue (US\$ Million), Price (USD/KWh) and Gross Margin (2018-2023)
- Table 135. Manz CIGS Thin Film Solar Cell Product Model Numbers, Pictures, Descriptions and Specifications
- Table 136. Manz Recent Development
- Table 137. DowDuPont Company Information
- Table 138. DowDuPont Description and Major Businesses
- Table 139. DowDuPont CIGS Thin Film Solar Cell Sales (GWh), Revenue (US\$ Million), Price (USD/KWh) and Gross Margin (2018-2023)
- Table 140. DowDuPont CIGS Thin Film Solar Cell Product Model Numbers, Pictures, Descriptions and Specifications
- Table 141. DowDuPont Recent Development
- Table 142. Siva Power Company Information
- Table 143. Siva Power Description and Major Businesses
- Table 144. Siva Power CIGS Thin Film Solar Cell Sales (GWh), Revenue (US\$ Million), Price (USD/KWh) and Gross Margin (2018-2023)
- Table 145. Siva Power CIGS Thin Film Solar Cell Product Model Numbers, Pictures, Descriptions and Specifications
- Table 146. Siva Power Recent Development
- Table 147. Hanergy Company Information
- Table 148. Hanergy Description and Major Businesses
- Table 149. Hanergy CIGS Thin Film Solar Cell Sales (GWh), Revenue (US\$ Million), Price (USD/KWh) and Gross Margin (2018-2023)

- Table 150. Hanergy CIGS Thin Film Solar Cell Product Model Numbers, Pictures, Descriptions and Specifications
- Table 151. Hanergy Recent Development
- Table 152. Solibro Company Information
- Table 153. Solibro Description and Major Businesses
- Table 154. Solibro CIGS Thin Film Solar Cell Sales (GWh), Revenue (US\$ Million), Price (USD/KWh) and Gross Margin (2018-2023)
- Table 155. Solibro CIGS Thin Film Solar Cell Product Model Numbers, Pictures, Descriptions and Specifications
- Table 156. Solibro Recent Development
- Table 157. Miasole Company Information
- Table 158. Miasole Description and Major Businesses
- Table 159. Miasole CIGS Thin Film Solar Cell Sales (GWh), Revenue (US\$ Million), Price (USD/KWh) and Gross Margin (2018-2023)
- Table 160. Miasole CIGS Thin Film Solar Cell Product Model Numbers, Pictures, Descriptions and Specifications
- Table 161. Miasole Recent Development
- Table 162. Global Solar Company Information
- Table 163. Global Solar Description and Major Businesses
- Table 164. Global Solar CIGS Thin Film Solar Cell Sales (GWh), Revenue (US\$ Million), Price (USD/KWh) and Gross Margin (2018-2023)
- Table 165. Global Solar CIGS Thin Film Solar Cell Product Model Numbers, Pictures, Descriptions and Specifications
- Table 166. Global Solar Recent Development
- Table 167. Flisom Company Information
- Table 168. Flisom Description and Major Businesses
- Table 169. Flisom CIGS Thin Film Solar Cell Sales (GWh), Revenue (US\$ Million), Price (USD/KWh) and Gross Margin (2018-2023)
- Table 170. Flisom CIGS Thin Film Solar Cell Product Model Numbers, Pictures, Descriptions and Specifications
- Table 171. Flisom Recent Development
- Table 172. Key Raw Materials Lists
- Table 173. Raw Materials Key Suppliers Lists
- Table 174. CIGS Thin Film Solar Cell Distributors List
- Table 175. CIGS Thin Film Solar Cell Customers List
- Table 176. CIGS Thin Film Solar Cell Market Trends
- Table 177. CIGS Thin Film Solar Cell Market Drivers
- Table 178. CIGS Thin Film Solar Cell Market Challenges
- Table 179. CIGS Thin Film Solar Cell Market Restraints

Table 180. Research Programs/Design for This Report

Table 181. Key Data Information from Secondary Sources

Table 182. Key Data Information from Primary Sources

List Of Figures

LIST OF FIGURES

- Figure 1. CIGS Thin Film Solar Cell Product Picture
- Figure 2. Global CIGS Thin Film Solar Cell Market Size Growth Rate by Type, 2018 VS 2022 VS 2029 (US\$ Million)
- Figure 3. Global CIGS Thin Film Solar Cell Market Share by Type in 2022 & 2029
- Figure 4. TF PV Technology Product Picture
- Figure 5. Traditional PV Technology Product Picture
- Figure 6. Global CIGS Thin Film Solar Cell Market Size Growth Rate by Application, 2018 VS 2022 VS 2029 (US\$ Million)
- Figure 7. Global CIGS Thin Film Solar Cell Market Share by Application in 2022 & 2029
- Figure 8. Residential
- Figure 9. Commercial
- Figure 10. Ground Station
- Figure 11. Others
- Figure 12. CIGS Thin Film Solar Cell Report Years Considered
- Figure 13. Global CIGS Thin Film Solar Cell Capacity, Production and Utilization (2018-2029) & (GWh)
- Figure 14. Global CIGS Thin Film Solar Cell Production Market Share by Region in Percentage: 2022 Versus 2029
- Figure 15. Global CIGS Thin Film Solar Cell Production Market Share by Region (2018-2029)
- Figure 16. CIGS Thin Film Solar Cell Production Growth Rate in North America (2018-2029) & (GWh)
- Figure 17. CIGS Thin Film Solar Cell Production Growth Rate in Europe (2018-2029) & (GWh)
- Figure 18. CIGS Thin Film Solar Cell Production Growth Rate in China (2018-2029) & (GWh)
- Figure 19. CIGS Thin Film Solar Cell Production Growth Rate in Japan (2018-2029) & (GWh)
- Figure 20. Global CIGS Thin Film Solar Cell Revenue, (US\$ Million), 2018 VS 2022 VS 2029
- Figure 21. Global CIGS Thin Film Solar Cell Revenue 2018-2029 (US\$ Million)
- Figure 22. Global CIGS Thin Film Solar Cell Revenue (CAGR) by Region: 2018 VS 2022 VS 2029 (US\$ Million)
- Figure 23. Global CIGS Thin Film Solar Cell Revenue Market Share by Region in Percentage: 2022 Versus 2029

Figure 24. Global CIGS Thin Film Solar Cell Revenue Market Share by Region (2018-2029)

Figure 25. Global CIGS Thin Film Solar Cell Sales 2018-2029 ((GWh)

Figure 26. Global CIGS Thin Film Solar Cell Sales (CAGR) by Region: 2018 VS 2022 VS 2029 (GWh)

Figure 27. Global CIGS Thin Film Solar Cell Sales Market Share by Region (2018-2029)

Figure 28. US & Canada CIGS Thin Film Solar Cell Sales YoY (2018-2029) & (GWh)

Figure 29. US & Canada CIGS Thin Film Solar Cell Revenue YoY (2018-2029) & (US\$ Million)

Figure 30. Europe CIGS Thin Film Solar Cell Sales YoY (2018-2029) & (GWh)

Figure 31. Europe CIGS Thin Film Solar Cell Revenue YoY (2018-2029) & (US\$ Million)

Figure 32. China CIGS Thin Film Solar Cell Sales YoY (2018-2029) & (GWh)

Figure 33. China CIGS Thin Film Solar Cell Revenue YoY (2018-2029) & (US\$ Million)

Figure 34. Asia (excluding China) CIGS Thin Film Solar Cell Sales YoY (2018-2029) & (GWh)

Figure 35. Asia (excluding China) CIGS Thin Film Solar Cell Revenue YoY (2018-2029) & (US\$ Million)

Figure 36. Middle East, Africa and Latin America CIGS Thin Film Solar Cell Sales YoY (2018-2029) & (GWh)

Figure 37. Middle East, Africa and Latin America CIGS Thin Film Solar Cell Revenue YoY (2018-2029) & (US\$ Million)

Figure 38. The CIGS Thin Film Solar Cell Market Share of Top 10 and Top 5 Largest Manufacturers Around the World in 2022

Figure 39. The Top 5 and 10 Largest Manufacturers of CIGS Thin Film Solar Cell in the World: Market Share by CIGS Thin Film Solar Cell Revenue in 2022

Figure 40. Global CIGS Thin Film Solar Cell Market Share by Company Type (Tier 1, Tier 2, and Tier 3): 2018 VS 2022

Figure 41. Global CIGS Thin Film Solar Cell Sales Market Share by Type (2018-2029)

Figure 42. Global CIGS Thin Film Solar Cell Revenue Market Share by Type (2018-2029)

Figure 43. Global CIGS Thin Film Solar Cell Sales Market Share by Application (2018-2029)

Figure 44. Global CIGS Thin Film Solar Cell Revenue Market Share by Application (2018-2029)

Figure 45. US & Canada CIGS Thin Film Solar Cell Sales Market Share by Type (2018-2029)

Figure 46. US & Canada CIGS Thin Film Solar Cell Revenue Market Share by Type (2018-2029)

Figure 47. US & Canada CIGS Thin Film Solar Cell Sales Market Share by Application

(2018-2029)

Figure 48. US & Canada CIGS Thin Film Solar Cell Revenue Market Share by Application (2018-2029)

Figure 49. US & Canada CIGS Thin Film Solar Cell Revenue Share by Country (2018-2029)

Figure 50. US & Canada CIGS Thin Film Solar Cell Sales Share by Country (2018-2029)

Figure 51. U.S. CIGS Thin Film Solar Cell Revenue (2018-2029) & (US\$ Million)

Figure 52. Canada CIGS Thin Film Solar Cell Revenue (2018-2029) & (US\$ Million)

Figure 53. Europe CIGS Thin Film Solar Cell Sales Market Share by Type (2018-2029)

Figure 54. Europe CIGS Thin Film Solar Cell Revenue Market Share by Type (2018-2029)

Figure 55. Europe CIGS Thin Film Solar Cell Sales Market Share by Application (2018-2029)

Figure 56. Europe CIGS Thin Film Solar Cell Revenue Market Share by Application (2018-2029)

Figure 57. Europe CIGS Thin Film Solar Cell Revenue Share by Country (2018-2029)

Figure 58. Europe CIGS Thin Film Solar Cell Sales Share by Country (2018-2029)

Figure 59. Germany CIGS Thin Film Solar Cell Revenue (2018-2029) & (US\$ Million)

Figure 60. France CIGS Thin Film Solar Cell Revenue (2018-2029) & (US\$ Million)

Figure 61. U.K. CIGS Thin Film Solar Cell Revenue (2018-2029) & (US\$ Million)

Figure 62. Italy CIGS Thin Film Solar Cell Revenue (2018-2029) & (US\$ Million)

Figure 63. Russia CIGS Thin Film Solar Cell Revenue (2018-2029) & (US\$ Million)

Figure 64. China CIGS Thin Film Solar Cell Sales Market Share by Type (2018-2029)

Figure 65. China CIGS Thin Film Solar Cell Revenue Market Share by Type (2018-2029)

Figure 66. China CIGS Thin Film Solar Cell Sales Market Share by Application (2018-2029)

Figure 67. China CIGS Thin Film Solar Cell Revenue Market Share by Application (2018-2029)

Figure 68. Asia CIGS Thin Film Solar Cell Sales Market Share by Type (2018-2029)

Figure 69. Asia CIGS Thin Film Solar Cell Revenue Market Share by Type (2018-2029)

Figure 70. Asia CIGS Thin Film Solar Cell Sales Market Share by Application (2018-2029)

Figure 71. Asia CIGS Thin Film Solar Cell Revenue Market Share by Application (2018-2029)

Figure 72. Asia CIGS Thin Film Solar Cell Revenue Share by Region (2018-2029)

Figure 73. Asia CIGS Thin Film Solar Cell Sales Share by Region (2018-2029)

Figure 74. Japan CIGS Thin Film Solar Cell Revenue (2018-2029) & (US\$ Million)

Figure 75. South Korea CIGS Thin Film Solar Cell Revenue (2018-2029) & (US\$ Million)

Figure 76. China Taiwan CIGS Thin Film Solar Cell Revenue (2018-2029) & (US\$ Million)

Figure 77. Southeast Asia CIGS Thin Film Solar Cell Revenue (2018-2029) & (US\$ Million)

Figure 78. India CIGS Thin Film Solar Cell Revenue (2018-2029) & (US\$ Million)

Figure 79. Middle East, Africa and Latin America CIGS Thin Film Solar Cell Sales Market Share by Type (2018-2029)

Figure 80. Middle East, Africa and Latin America CIGS Thin Film Solar Cell Revenue Market Share by Type (2018-2029)

Figure 81. Middle East, Africa and Latin America CIGS Thin Film Solar Cell Sales Market Share by Application (2018-2029)

Figure 82. Middle East, Africa and Latin America CIGS Thin Film Solar Cell Revenue Market Share by Application (2018-2029)

Figure 83. Middle East, Africa and Latin America CIGS Thin Film Solar Cell Revenue Share by Country (2018-2029)

Figure 84. Middle East, Africa and Latin America CIGS Thin Film Solar Cell Sales Share by Country (2018-2029)

Figure 85. Brazil CIGS Thin Film Solar Cell Revenue (2018-2029) & (US\$ Million)

Figure 86. Mexico CIGS Thin Film Solar Cell Revenue (2018-2029) & (US\$ Million)

Figure 87. Turkey CIGS Thin Film Solar Cell Revenue (2018-2029) & (US\$ Million)

Figure 88. Israel CIGS Thin Film Solar Cell Revenue (2018-2029) & (US\$ Million)

Figure 89. GCC Countries CIGS Thin Film Solar Cell Revenue (2018-2029) & (US\$ Million)

Figure 90. CIGS Thin Film Solar Cell Value Chain

Figure 91. CIGS Thin Film Solar Cell Production Process

Figure 92. Channels of Distribution

Figure 93. Distributors Profiles

Figure 94. Bottom-up and Top-down Approaches for This Report

Figure 95. Data Triangulation

Figure 96. Key Executives Interviewed

I would like to order

Product name: Global CIGS Thin Film Solar Cell Market Insights, Forecast to 2029

Product link: <https://marketpublishers.com/r/G4CB298C1357EN.html>

Price: US\$ 4,900.00 (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/G4CB298C1357EN.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