

Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Research Report 2024, Forecast to 2032

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Abstracts

Report Overview

A copper indium gallium selenide solar cell (or CIGS cell, sometimes CI(G)S or CIS cell) is a thin-film solar cell used to convert sunlight into electric power. It is manufactured by depositing a thin layer of copper indium gallium selenide solid solution on glass or plastic backing, along with electrodes on the front and back to collect current. Because the material has a high absorption coefficient and strongly absorbs sunlight, a much thinner film is required than of other semiconductor materials.

The global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device market size was estimated at USD 2653 million in 2023 and is projected to reach USD 4444.27 million by 2032, exhibiting a CAGR of 5.90% during the forecast period.

North America Copper Indium Gallium Selenide (CIGS) Photovoltaic Device market size was estimated at USD 762.98 million in 2023, at a CAGR of 5.06% during the forecast period of 2024 through 2032.

This report provides a deep insight into the global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore,

it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the Copper Indium Gallium Selenide (CIGS) Photovoltaic Device market in any manner.

Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

Key Company

Solar Frontier

SoloPower

Stion

Avancis (CNBM)

Manz

Dow Solar (NuvoSun)

Siva Power

Hanergy

Solibro

Miasole

Market Segmentation (by Type)

CIGS Solar Cells

CIS Solar Cells

Market Segmentation (by Application)

Residential

Commercial

Ground Station

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market

Overview of the regional outlook of the Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market:

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each

region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, 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 Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the 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 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region from the consumer side and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of Copper Indium Gallium Selenide (CIGS) Photovoltaic Device, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region during the forecast period.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment during the forecast period.

Chapter 13 is the main points and conclusions of the report.

Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

1.1 Market Definition and Statistical Scope of Copper Indium Gallium Selenide (CIGS) Photovoltaic Device

1.2 Key Market Segments

1.2.1 Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Segment by Type

1.2.2 Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Segment by Application

1.3 Methodology & Sources of Information

1.3.1 Research Methodology

1.3.2 Research Process

1.3.3 Market Breakdown and Data Triangulation

1.3.4 Base Year

1.3.5 Report Assumptions & Caveats

2 COPPER INDIUM GALLIUM SELENIDE (CIGS) PHOTOVOLTAIC DEVICE MARKET OVERVIEW

2.1 Global Market Overview

2.1.1 Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Size (M USD) Estimates and Forecasts (2019-2032)

2.1.2 Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales Estimates and Forecasts (2019-2032)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

3 COPPER INDIUM GALLIUM SELENIDE (CIGS) PHOTOVOLTAIC DEVICE MARKET COMPETITIVE LANDSCAPE

3.1 Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales by Manufacturers (2019-2024)

3.2 Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Revenue Market Share by Manufacturers (2019-2024)

3.3 Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.4 Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Average Price by Manufacturers (2019-2024)

3.5 Manufacturers Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales Sites, Area Served, Product Type

3.6 Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Competitive Situation and Trends

3.6.1 Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Concentration Rate

3.6.2 Global 5 and 10 Largest Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Players Market Share by Revenue

3.6.3 Mergers & Acquisitions, Expansion

4 COPPER INDIUM GALLIUM SELENIDE (CIGS) PHOTOVOLTAIC DEVICE INDUSTRY CHAIN ANALYSIS

4.1 Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF COPPER INDIUM GALLIUM SELENIDE (CIGS) PHOTOVOLTAIC DEVICE MARKET

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Market Restraints

5.5 Industry News

5.5.1 New Product Developments

5.5.2 Mergers & Acquisitions

5.5.3 Expansions

5.5.4 Collaboration/Supply Contracts

5.6 Industry Policies

6 COPPER INDIUM GALLIUM SELENIDE (CIGS) PHOTOVOLTAIC DEVICE MARKET SEGMENTATION BY TYPE

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales Market Share by Type (2019-2024)

6.3 Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Size
Market Share by Type (2019-2024)

6.4 Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Price by Type
(2019-2024)

7 COPPER INDIUM GALLIUM SELENIDE (CIGS) PHOTOVOLTAIC DEVICE MARKET SEGMENTATION BY APPLICATION

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Sales
by Application (2019-2024)

7.3 Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Size (M
USD) by Application (2019-2024)

7.4 Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales Growth
Rate by Application (2019-2024)

8 COPPER INDIUM GALLIUM SELENIDE (CIGS) PHOTOVOLTAIC DEVICE MARKET CONSUMPTION BY REGION

8.1 Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales by
Region

8.1.1 Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales by
Region

8.1.2 Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales
Market Share by Region

8.2 North America

8.2.1 North America Copper Indium Gallium Selenide (CIGS) Photovoltaic Device
Sales by Country

8.2.2 U.S.

8.2.3 Canada

8.2.4 Mexico

8.3 Europe

8.3.1 Europe Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales by
Country

8.3.2 Germany

8.3.3 France

8.3.4 U.K.

8.3.5 Italy

8.3.6 Russia

8.4 Asia Pacific

8.4.1 Asia Pacific Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales by Region

8.4.2 China

8.4.3 Japan

8.4.4 South Korea

8.4.5 India

8.4.6 Southeast Asia

8.5 South America

8.5.1 South America Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales by Country

8.5.2 Brazil

8.5.3 Argentina

8.5.4 Columbia

8.6 Middle East and Africa

8.6.1 Middle East and Africa Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales by Region

8.6.2 Saudi Arabia

8.6.3 UAE

8.6.4 Egypt

8.6.5 Nigeria

8.6.6 South Africa

9 COPPER INDIUM GALLIUM SELENIDE (CIGS) PHOTOVOLTAIC DEVICE MARKET PRODUCTION BY REGION

9.1 Global Production of Copper Indium Gallium Selenide (CIGS) Photovoltaic Device by Region (2019-2024)

9.2 Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Revenue Market Share by Region (2019-2024)

9.3 Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Production, Revenue, Price and Gross Margin (2019-2024)

9.4 North America Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Production

9.4.1 North America Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Production Growth Rate (2019-2024)

9.4.2 North America Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Production, Revenue, Price and Gross Margin (2019-2024)

9.5 Europe Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Production

9.5.1 Europe Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Production Growth Rate (2019-2024)

9.5.2 Europe Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Production, Revenue, Price and Gross Margin (2019-2024)

9.6 Japan Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Production (2019-2024)

9.6.1 Japan Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Production Growth Rate (2019-2024)

9.6.2 Japan Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Production, Revenue, Price and Gross Margin (2019-2024)

9.7 China Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Production (2019-2024)

9.7.1 China Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Production Growth Rate (2019-2024)

9.7.2 China Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Production, Revenue, Price and Gross Margin (2019-2024)

10 KEY COMPANIES PROFILE

10.1 Solar Frontier

10.1.1 Solar Frontier Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Basic Information

10.1.2 Solar Frontier Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Product Overview

10.1.3 Solar Frontier Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Product Market Performance

10.1.4 Solar Frontier Business Overview

10.1.5 Solar Frontier Copper Indium Gallium Selenide (CIGS) Photovoltaic Device SWOT Analysis

10.1.6 Solar Frontier Recent Developments

10.2 SoloPower

10.2.1 SoloPower Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Basic Information

10.2.2 SoloPower Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Product Overview

10.2.3 SoloPower Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Product Market Performance

10.2.4 SoloPower Business Overview

10.2.5 SoloPower Copper Indium Gallium Selenide (CIGS) Photovoltaic Device SWOT

Analysis

10.2.6 SoloPower Recent Developments

10.3 Stion

10.3.1 Stion Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Basic Information

10.3.2 Stion Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Product Overview

10.3.3 Stion Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Product Market Performance

10.3.4 Stion Copper Indium Gallium Selenide (CIGS) Photovoltaic Device SWOT Analysis

10.3.5 Stion Business Overview

10.3.6 Stion Recent Developments

10.4 Avancis (CNBM)

10.4.1 Avancis (CNBM) Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Basic Information

10.4.2 Avancis (CNBM) Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Product Overview

10.4.3 Avancis (CNBM) Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Product Market Performance

10.4.4 Avancis (CNBM) Business Overview

10.4.5 Avancis (CNBM) Recent Developments

10.5 Manz

10.5.1 Manz Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Basic Information

10.5.2 Manz Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Product Overview

10.5.3 Manz Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Product Market Performance

10.5.4 Manz Business Overview

10.5.5 Manz Recent Developments

10.6 Dow Solar (NuvoSun)

10.6.1 Dow Solar (NuvoSun) Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Basic Information

10.6.2 Dow Solar (NuvoSun) Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Product Overview

10.6.3 Dow Solar (NuvoSun) Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Product Market Performance

10.6.4 Dow Solar (NuvoSun) Business Overview

- 10.6.5 Dow Solar (NuvoSun) Recent Developments
- 10.7 Siva Power
 - 10.7.1 Siva Power Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Basic Information
 - 10.7.2 Siva Power Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Product Overview
 - 10.7.3 Siva Power Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Product Market Performance
 - 10.7.4 Siva Power Business Overview
 - 10.7.5 Siva Power Recent Developments
- 10.8 Hanergy
 - 10.8.1 Hanergy Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Basic Information
 - 10.8.2 Hanergy Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Product Overview
 - 10.8.3 Hanergy Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Product Market Performance
 - 10.8.4 Hanergy Business Overview
 - 10.8.5 Hanergy Recent Developments
- 10.9 Solibro
 - 10.9.1 Solibro Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Basic Information
 - 10.9.2 Solibro Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Product Overview
 - 10.9.3 Solibro Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Product Market Performance
 - 10.9.4 Solibro Business Overview
 - 10.9.5 Solibro Recent Developments
- 10.10 Miasole
 - 10.10.1 Miasole Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Basic Information
 - 10.10.2 Miasole Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Product Overview
 - 10.10.3 Miasole Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Product Market Performance
 - 10.10.4 Miasole Business Overview
 - 10.10.5 Miasole Recent Developments

11 COPPER INDIUM GALLIUM SELENIDE (CIGS) PHOTOVOLTAIC DEVICE

MARKET FORECAST BY REGION

11.1 Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Size Forecast

11.2 Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Size Forecast by Country

11.2.3 Asia Pacific Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Size Forecast by Region

11.2.4 South America Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Consumption of Copper Indium Gallium Selenide (CIGS) Photovoltaic Device by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2025-2032)

12.1 Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Forecast by Type (2025-2032)

12.1.1 Global Forecasted Sales of Copper Indium Gallium Selenide (CIGS) Photovoltaic Device by Type (2025-2032)

12.1.2 Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Size Forecast by Type (2025-2032)

12.1.3 Global Forecasted Price of Copper Indium Gallium Selenide (CIGS) Photovoltaic Device by Type (2025-2032)

12.2 Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Forecast by Application (2025-2032)

12.2.1 Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales (K Units) Forecast by Application

12.2.2 Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Size (M USD) Forecast by Application (2025-2032)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Market Size (M USD) Segment Executive Summary

Table 4. Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Size Comparison by Region (M USD)

Table 5. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales (K Units) by Manufacturers (2019-2024)

Table 6. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales Market Share by Manufacturers (2019-2024)

Table 7. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Revenue (M USD) by Manufacturers (2019-2024)

Table 8. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Revenue Share by Manufacturers (2019-2024)

Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Copper Indium Gallium Selenide (CIGS) Photovoltaic Device as of 2022)

Table 10. Global Market Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Average Price (USD/Unit) of Key Manufacturers (2019-2024)

Table 11. Manufacturers Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales Sites and Area Served

Table 12. Manufacturers Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Product Type

Table 13. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 14. Mergers & Acquisitions, Expansion Plans

Table 15. Industry Chain Map of Copper Indium Gallium Selenide (CIGS) Photovoltaic Device

Table 16. Market Overview of Key Raw Materials

Table 17. Midstream Market Analysis

Table 18. Downstream Customer Analysis

Table 19. Key Development Trends

Table 20. Driving Factors

Table 21. Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Challenges

Table 22. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales by Type (K Units)

Table 23. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Size by Type (M USD)

Table 24. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales (K Units) by Type (2019-2024)

Table 25. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales Market Share by Type (2019-2024)

Table 26. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Size (M USD) by Type (2019-2024)

Table 27. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Size Share by Type (2019-2024)

Table 28. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Price (USD/Unit) by Type (2019-2024)

Table 29. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales (K Units) by Application

Table 30. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Size by Application

Table 31. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales by Application (2019-2024) & (K Units)

Table 32. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales Market Share by Application (2019-2024)

Table 33. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales by Application (2019-2024) & (M USD)

Table 34. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Share by Application (2019-2024)

Table 35. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales Growth Rate by Application (2019-2024)

Table 36. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales by Region (2019-2024) & (K Units)

Table 37. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales Market Share by Region (2019-2024)

Table 38. North America Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales by Country (2019-2024) & (K Units)

Table 39. Europe Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales by Country (2019-2024) & (K Units)

Table 40. Asia Pacific Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales by Region (2019-2024) & (K Units)

Table 41. South America Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales by Country (2019-2024) & (K Units)

Table 42. Middle East and Africa Copper Indium Gallium Selenide (CIGS) Photovoltaic

Device Sales by Region (2019-2024) & (K Units)

Table 43. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device
Production (K Units) by Region (2019-2024)

Table 44. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Revenue
(US\$ Million) by Region (2019-2024)

Table 45. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Revenue
Market Share by Region (2019-2024)

Table 46. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device
Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin
(2019-2024)

Table 47. North America Copper Indium Gallium Selenide (CIGS) Photovoltaic Device
Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin
(2019-2024)

Table 48. Europe Copper Indium Gallium Selenide (CIGS) Photovoltaic Device
Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin
(2019-2024)

Table 49. Japan Copper Indium Gallium Selenide (CIGS) Photovoltaic Device
Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin
(2019-2024)

Table 50. China Copper Indium Gallium Selenide (CIGS) Photovoltaic Device
Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin
(2019-2024)

Table 51. Solar Frontier Copper Indium Gallium Selenide (CIGS) Photovoltaic Device
Basic Information

Table 52. Solar Frontier Copper Indium Gallium Selenide (CIGS) Photovoltaic Device
Product Overview

Table 53. Solar Frontier Copper Indium Gallium Selenide (CIGS) Photovoltaic Device
Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 54. Solar Frontier Business Overview

Table 55. Solar Frontier Copper Indium Gallium Selenide (CIGS) Photovoltaic Device
SWOT Analysis

Table 56. Solar Frontier Recent Developments

Table 57. SoloPower Copper Indium Gallium Selenide (CIGS) Photovoltaic Device
Basic Information

Table 58. SoloPower Copper Indium Gallium Selenide (CIGS) Photovoltaic Device
Product Overview

Table 59. SoloPower Copper Indium Gallium Selenide (CIGS) Photovoltaic Device
Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 60. SoloPower Business Overview

Table 61. SoloPower Copper Indium Gallium Selenide (CIGS) Photovoltaic Device SWOT Analysis

Table 62. SoloPower Recent Developments

Table 63. Stion Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Basic Information

Table 64. Stion Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Product Overview

Table 65. Stion Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 66. Stion Copper Indium Gallium Selenide (CIGS) Photovoltaic Device SWOT Analysis

Table 67. Stion Business Overview

Table 68. Stion Recent Developments

Table 69. Avancis (CNBM) Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Basic Information

Table 70. Avancis (CNBM) Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Product Overview

Table 71. Avancis (CNBM) Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 72. Avancis (CNBM) Business Overview

Table 73. Avancis (CNBM) Recent Developments

Table 74. Manz Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Basic Information

Table 75. Manz Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Product Overview

Table 76. Manz Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 77. Manz Business Overview

Table 78. Manz Recent Developments

Table 79. Dow Solar (NuvoSun) Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Basic Information

Table 80. Dow Solar (NuvoSun) Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Product Overview

Table 81. Dow Solar (NuvoSun) Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 82. Dow Solar (NuvoSun) Business Overview

Table 83. Dow Solar (NuvoSun) Recent Developments

Table 84. Siva Power Copper Indium Gallium Selenide (CIGS) Photovoltaic Device

Basic Information

Table 85. Siva Power Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Product Overview

Table 86. Siva Power Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 87. Siva Power Business Overview

Table 88. Siva Power Recent Developments

Table 89. Hanergy Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Basic Information

Table 90. Hanergy Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Product Overview

Table 91. Hanergy Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 92. Hanergy Business Overview

Table 93. Hanergy Recent Developments

Table 94. Solibro Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Basic Information

Table 95. Solibro Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Product Overview

Table 96. Solibro Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 97. Solibro Business Overview

Table 98. Solibro Recent Developments

Table 99. Miasole Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Basic Information

Table 100. Miasole Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Product Overview

Table 101. Miasole Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 102. Miasole Business Overview

Table 103. Miasole Recent Developments

Table 104. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales Forecast by Region (2025-2032) & (K Units)

Table 105. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Size Forecast by Region (2025-2032) & (M USD)

Table 106. North America Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales Forecast by Country (2025-2032) & (K Units)

Table 107. North America Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Size Forecast by Country (2025-2032) & (M USD)

Table 108. Europe Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales Forecast by Country (2025-2032) & (K Units)

Table 109. Europe Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Size Forecast by Country (2025-2032) & (M USD)

Table 110. Asia Pacific Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales Forecast by Region (2025-2032) & (K Units)

Table 111. Asia Pacific Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Size Forecast by Region (2025-2032) & (M USD)

Table 112. South America Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales Forecast by Country (2025-2032) & (K Units)

Table 113. South America Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Size Forecast by Country (2025-2032) & (M USD)

Table 114. Middle East and Africa Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Consumption Forecast by Country (2025-2032) & (Units)

Table 115. Middle East and Africa Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Size Forecast by Country (2025-2032) & (M USD)

Table 116. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales Forecast by Type (2025-2032) & (K Units)

Table 117. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Size Forecast by Type (2025-2032) & (M USD)

Table 118. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Price Forecast by Type (2025-2032) & (USD/Unit)

Table 119. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales (K Units) Forecast by Application (2025-2032)

Table 120. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Size Forecast by Application (2025-2032) & (M USD)

List Of Figures

LIST OF FIGURES

Figure 1. Product Picture of Copper Indium Gallium Selenide (CIGS) Photovoltaic Device

Figure 2. Data Triangulation

Figure 3. Key Caveats

Figure 4. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Size (M USD), 2019-2032

Figure 5. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Size (M USD) (2019-2032)

Figure 6. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales (K Units) & (2019-2032)

Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 9. Evaluation Matrix of Regional Market Development Potential

Figure 10. Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Size by Country (M USD)

Figure 11. Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales Share by Manufacturers in 2023

Figure 12. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Revenue Share by Manufacturers in 2023

Figure 13. Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2023

Figure 14. Global Market Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Average Price (USD/Unit) of Key Manufacturers in 2023

Figure 15. The Global 5 and 10 Largest Players: Market Share by Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Revenue in 2023

Figure 16. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 17. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Share by Type

Figure 18. Sales Market Share of Copper Indium Gallium Selenide (CIGS) Photovoltaic Device by Type (2019-2024)

Figure 19. Sales Market Share of Copper Indium Gallium Selenide (CIGS) Photovoltaic Device by Type in 2023

Figure 20. Market Size Share of Copper Indium Gallium Selenide (CIGS) Photovoltaic Device by Type (2019-2024)

Figure 21. Market Size Market Share of Copper Indium Gallium Selenide (CIGS)

Photovoltaic Device by Type in 2023

Figure 22. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 23. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Share by Application

Figure 24. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales Market Share by Application (2019-2024)

Figure 25. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales Market Share by Application in 2023

Figure 26. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Share by Application (2019-2024)

Figure 27. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Share by Application in 2023

Figure 28. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales Growth Rate by Application (2019-2024)

Figure 29. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales Market Share by Region (2019-2024)

Figure 30. North America Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales and Growth Rate (2019-2024) & (K Units)

Figure 31. North America Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales Market Share by Country in 2023

Figure 32. U.S. Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales and Growth Rate (2019-2024) & (K Units)

Figure 33. Canada Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales (K Units) and Growth Rate (2019-2024)

Figure 34. Mexico Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales (Units) and Growth Rate (2019-2024)

Figure 35. Europe Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales and Growth Rate (2019-2024) & (K Units)

Figure 36. Europe Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales Market Share by Country in 2023

Figure 37. Germany Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales and Growth Rate (2019-2024) & (K Units)

Figure 38. France Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales and Growth Rate (2019-2024) & (K Units)

Figure 39. U.K. Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales and Growth Rate (2019-2024) & (K Units)

Figure 40. Italy Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales and Growth Rate (2019-2024) & (K Units)

Figure 41. Russia Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales

and Growth Rate (2019-2024) & (K Units)

Figure 42. Asia Pacific Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales and Growth Rate (K Units)

Figure 43. Asia Pacific Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales Market Share by Region in 2023

Figure 44. China Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales and Growth Rate (2019-2024) & (K Units)

Figure 45. Japan Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales and Growth Rate (2019-2024) & (K Units)

Figure 46. South Korea Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales and Growth Rate (2019-2024) & (K Units)

Figure 47. India Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales and Growth Rate (2019-2024) & (K Units)

Figure 48. Southeast Asia Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales and Growth Rate (2019-2024) & (K Units)

Figure 49. South America Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales and Growth Rate (K Units)

Figure 50. South America Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales Market Share by Country in 2023

Figure 51. Brazil Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales and Growth Rate (2019-2024) & (K Units)

Figure 52. Argentina Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales and Growth Rate (2019-2024) & (K Units)

Figure 53. Columbia Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales and Growth Rate (2019-2024) & (K Units)

Figure 54. Middle East and Africa Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales and Growth Rate (K Units)

Figure 55. Middle East and Africa Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales Market Share by Region in 2023

Figure 56. Saudi Arabia Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales and Growth Rate (2019-2024) & (K Units)

Figure 57. UAE Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales and Growth Rate (2019-2024) & (K Units)

Figure 58. Egypt Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales and Growth Rate (2019-2024) & (K Units)

Figure 59. Nigeria Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales and Growth Rate (2019-2024) & (K Units)

Figure 60. South Africa Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales and Growth Rate (2019-2024) & (K Units)

Figure 61. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Production Market Share by Region (2019-2024)

Figure 62. North America Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Production (K Units) Growth Rate (2019-2024)

Figure 63. Europe Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Production (K Units) Growth Rate (2019-2024)

Figure 64. Japan Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Production (K Units) Growth Rate (2019-2024)

Figure 65. China Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Production (K Units) Growth Rate (2019-2024)

Figure 66. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales Forecast by Volume (2019-2032) & (K Units)

Figure 67. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Size Forecast by Value (2019-2032) & (M USD)

Figure 68. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales Market Share Forecast by Type (2025-2032)

Figure 69. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Share Forecast by Type (2025-2032)

Figure 70. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Sales Forecast by Application (2025-2032)

Figure 71. Global Copper Indium Gallium Selenide (CIGS) Photovoltaic Device Market Share Forecast by Application (2025-2032)

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