

Global Copper Indium Gallium Selenide Solar(CIGS) Cell Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Copper Indium Gallium Selenide Solar(CIGS) Cell market size was valued at US\$ 3014 million in 2024 and is forecast to a readjusted size of USD 3804 million by 2031 with a CAGR of 3.4% during review period.

Copper Indium Gallium Selenide (CIGS/CIS) Solar Cells Module is encapsulation of Indium Gallium Selenide (CIGS/CIS) Solar Cells with glass sheet and plastic protection materials.

The global Copper Indium Gallium Selenide (CIGS) solar cell market refers to the industry that involves the production and distribution of solar cells based on CIGS technology. CIGS solar cells are a type of thin-film solar photovoltaic cells that are used to convert sunlight into electricity.

CIGS technology offers several advantages over other types of solar cell technologies, including high conversion efficiency, flexibility, and lightweight design. These attributes make CIGS solar cells suitable for various applications, such as rooftop installations, portable devices, and building-integrated photovoltaics.

The market for CIGS solar cells has witnessed significant growth in recent years due to the increasing demand for renewable energy sources and the declining costs of solar power. Governments and businesses worldwide are investing in solar energy to reduce carbon emissions and achieve sustainability goals. Additionally, advancements in CIGS technology, such as higher efficiency and improved manufacturing processes, have contributed to the market's growth.

Factors such as government incentives and regulations, technological advancements, and the overall growth of the renewable energy sector influence the growth of the global CIGS solar cell market. Additionally, the increasing focus on reducing greenhouse gas emissions and the need for clean and sustainable energy sources will likely drive the market's expansion in the coming years.

This report is a detailed and comprehensive analysis for global Copper Indium Gallium Selenide Solar(CIGS) Cell market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Copper Indium Gallium Selenide Solar(CIGS) Cell market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Copper Indium Gallium Selenide Solar(CIGS) Cell market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Copper Indium Gallium Selenide Solar(CIGS) Cell market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Copper Indium Gallium Selenide Solar(CIGS) Cell market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Copper Indium Gallium Selenide Solar(CIGS) Cell

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Copper Indium Gallium Selenide Solar(CIGS) Cell market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Oxford PV, Ascent Solar Technologies, Inc., Tata Power Solar Systems Limited, Manz AG, Jinko Solar Co., Ltd., Hanergy, Bosch Solar Energy AG, Sulfurcell Solartech GmbH, Frontier Solar Inc, SoloPower Systems, Inc., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Copper Indium Gallium Selenide Solar(CIGS) Cell market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

1-2 Micrometres

2-3 Micrometres

3-4 Micrometres

Others

Market segment by Application

Automobiles

Electronics and Electrical

Energy and Power

Others

Major players covered

Oxford PV

Ascent Solar Technologies, Inc.

Tata Power Solar Systems Limited

Manz AG

Jinko Solar Co., Ltd.

Hanergy

Bosch Solar Energy AG

Sulfurcell Solartechnik GmbH

Frontier Solar Inc

SoloPower Systems, Inc.

AVANCIS GmbH.

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Copper Indium Gallium Selenide Solar(CIGS) Cell product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Copper Indium Gallium Selenide Solar(CIGS) Cell, with price, sales quantity, revenue, and global market share of Copper Indium Gallium Selenide Solar(CIGS) Cell from 2020 to 2025.

Chapter 3, the Copper Indium Gallium Selenide Solar(CIGS) Cell competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Copper Indium Gallium Selenide Solar(CIGS) Cell breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025.and Copper Indium Gallium Selenide Solar(CIGS) Cell market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Copper Indium Gallium Selenide Solar(CIGS) Cell.

Chapter 14 and 15, to describe Copper Indium Gallium Selenide Solar(CIGS) Cell sales channel, distributors, customers, research findings and conclusion.

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