

Global CIGS Thin-Film Solar Cells Market 2018 by Manufacturers, Regions, Type and Application, Forecast to 2023

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Abstracts

CIGS stands for copper indium gallium selenide, it is a thin film solar cell that is used to convert sun rays into electrical energy. CIGS thin film solar cells are manufactured by the process of depositing a thin layer of indium, copper, selenide and gallium on plastic backing or glass, having electrodes on the back and front to collect current. CIGS has a high absorption coefficient and absorbs sunlight strongly, so a thin film of this material is required to obtain the same electric energy as that of semiconductor materials. The thin-film photovoltaic technologies consists of three mainstreams namely amorphous silicon, cadmium telluride and CIGS. Like other materials in the thin-film photovoltaic technologies, CIGS is also flexible, that allows them to get deposited on the flexible substrates. Also the best performance of the solar cells comes from the glass deposited cells, as all the technologies use high temperature depositions. The performance of polysilicon-based panels are higher than these glass based technologies of solar cells, though advances in CIGS low temperature deposition is trying to erase these performance difference up to a great extent. CIGS Thin-film solar cells market is expected to expand at a healthy CAGR in the forecast period.

SCOPE OF THE REPORT:

This report focuses on the CIGS Thin-Film Solar Cells in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. The increasing market of solar panels and cost efficiency of electricity generated by solar panels as compared to other sources of energy is driving the CIGS thin-film solar cells market. Also the increased efficiency of CIGS thin film solar cells and the reduced time required to produce the electricity as compared to its counterpart's technologies is

further contributing in the growing CIGS thin-film solar cells market. Moreover, the rising concerns amongst people for environmental safety is bolstering the CIGS thin-film solar cells market.

The worldwide market for CIGS Thin-Film Solar Cells is expected to grow at a CAGR of roughly xx% over the next five years, will reach xx million US\$ in 2023, from xx million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Trina Solar

Tata Power Solar Systems

Suniva

SolarWorld

Pionis Energy Technologies

JinkoSolar Holding

Borg

Alps Technology

Itek Energy

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

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

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

1-2 Micro Meters

2-3 Micro Meters

3-4 Micro Meters

Market Segment by Applications, can be divided into

Automobiles

Electronics And Electrical

Energy And Power

Others

There are 15 Chapters to deeply display the global CIGS Thin-Film Solar Cells market.

Chapter 1, to describe CIGS Thin-Film Solar Cells Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of CIGS Thin-Film Solar Cells, with sales, revenue, and price of CIGS Thin-Film Solar Cells, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of CIGS Thin-Film Solar Cells, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these

regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, CIGS Thin-Film Solar Cells market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe CIGS Thin-Film Solar Cells sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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