

Global CIGS Thin Film Solar Cell Market Forecast and Analysis 2016-2021

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Abstracts

This report provides detailed analysis of worldwide markets for CIGS Thin Film Solar Cell from 2011-2016, and provides extensive market forecasts (2016-2021) by region/country and subsectors. It covers the key technological and market trends in the CIGS Thin Film Solar Cell market and further lays out an analysis of the factors influencing the supply/demand for CIGS Thin Film Solar Cell, and the opportunities/challenges faced by industry participants. It also acts as an essential tool to companies active across the value chain and to the new entrants by enabling them to capitalize the opportunities and develop business strategies.

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 and selenide 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.

CIGS is one of three mainstream thin-film PV technologies, the other two being cadmium telluride and amorphous silicon. Like these materials, CIGS layers are thin enough to be flexible, allowing them to be deposited on flexible substrates. However, as all of these technologies normally use high-temperature deposition techniques, the best performance normally comes from cells deposited on glass. Even then the performance is marginal compared to modern polysilicon-based panels. Advances in low-temperature deposition of CIGS cells have erased much of this performance difference.

GCC's report, Global CIGS Thin Film Solar Cell Market Forecast and Analysis 2016-2021, has been prepared based on the synthesis, analysis, and interpretation of

information about the global CIGS Thin Film Solar Cell market collected from specialized sources. The report covers key technological developments in the recent times and profiles leading players in the market and analyzes their key strategies. The competitive landscape section of the report provides a clear insight into the market share analysis of key industry players. The major players in the global CIGS Thin Film Solar Cell market are First Solar (USA), Dow (USA), Stion (USA), Solopower (USA), Solarion (Germany), Centrotherm (Germany), Würth Solar (Germany), Manz (Turkey), Solar Frontier K.K (Japan), HULKet (Taiwan), AxunTek (Taiwan), Sunshine PV (Taiwan), Hanenergy (China), CNBM (China), Suntech (China).

The report provides separate comprehensive analytics for the North America, Europe, Asia-Pacific, Middle East and Africa and Rest of World. In this sector, global competitive landscape and supply/demand pattern of CIGS Thin Film Solar Cell industry has been provided.

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ABBREVIATIONS

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