

# **Thin Films Photovoltaic Market (PV) (By Type: Organic and Inorganic photovoltaic; By Component: Thin Film PV Cells, Crystalline Silicon PV Cells, Tracker, Modules, and Optics; By Application: Residential, Utility, Consumer, Military, and Non-residential sectors; By Geography: North America, Europe, Asia-Pacific, RoW) Global Scenario, Market Size, Outlook, Trend and Forecast, 2015-2024**

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## **Abstracts**

Global Thin films photovoltaic Market is forecasted to reach \$240 billion by 2024; growing at a CAGR of 32.3% from 2016 to 2024. Thin films photovoltaic (PV) cells require very little or almost no silicon as compared to crystalline PV cells. Thin films photovoltaic systems are widely used due to its various features such as flexibility, and shorter energy payback times as compared to crystalline PV cells. It provides improved performance even in low light conditions, which has increased its dominance in the market.

Surge in energy cost, silicon shortage and low manufacturing cost of PV cells are the major driving factors of the global thin films photovoltaic market. Moreover, increase in environment temperature due to climate change has also moved consumers towards the adoption of photovoltaic (PV) technologies. However, high cost of photovoltaic technologies may hamper the market growth. Technological advancement would provide several growth opportunities for the market in coming years.

The global thin films photovoltaic market has been segmented into type, component, and application. The segment by type includes organic and inorganic photovoltaic. The

component segment is further categorized into crystalline silicon PV cells, thin film PV cells, Tracker, Modules, and Optics. By application, the thin film photovoltaic market is segmented into residential, utility, consumer, military, and non-residential sectors.

Based on geography, the market has been bifurcated into North America, Europe, Asia-Pacific and Rest of the World (RoW). The U.S., Canada, and Mexico are covered under North America wherein Europe covers Germany, France, UK, Italy, Spain and others. Asia-Pacific covers China, India, Japan, and others. Rest of the World (RoW) covers South America, Middle East and Africa.

Major companies operating in this market are JA solar Co. Ltd., SoloPower Systems Inc., Jinko Solar, Yingli Green Trina Solar, Suntech Power Holdings Co. Ltd., Sharp Corporation, Panasonic Corporation, Mitsubishi Electric Corporation, Kyocera Corporation, and Kaneka Corporation, among others.

The key takeaways from the report

The report will provide detailed analysis of thin films photovoltaic market with respect to major segments such as type, component and application.

The report will include the qualitative and quantitative analysis with market estimation over 2015-2024 and compound annual growth rate (CAGR) between 2016 and 2024

Comprehensive analysis of market dynamics including factors and opportunities is included in the report

An exhaustive regional analysis of thin films photovoltaic market will be included in the report

Profile of the key players in the thin films photovoltaic market, which include key financials, product & services, new developments and business strategies

Scope of Thin Films Photovoltaic Market

Type Segments

Organic Photovoltaic

Inorganic Photovoltaic

#### Component Segments

Thin Film PV cells

Crystalline silicon PV cells

Tracker

Modules

Optics

#### Application Segments

Residential sector

Utility

Consumer

Military

Non-residential sector

#### Geographical Segments

North America

US

Canada

Mexico

Europe

Germany

France

United Kingdom

Spain

Others

Asia-Pacific

China

India

Japan

South Korea

Others

RoW

South America

Middle East

Africa

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