

# Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) PV (Photovoltaics) Market 2018, Forecast to 2023

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## Abstracts

Solar PV is one kind of device made from crystalline silicon or thin film which converts solar energy into electricity by a process known as the photovoltaic effect. The key indicator for solar PV is conversion efficiency.

In this report, the statistical product is considered from the solar module, the statistical data is considered from the shipment volume.

### SCOPE OF THE REPORT:

This report focuses on the PV (Photovoltaics) 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.

Solar PV Industry achieved rapid development these years; Global capacity and production have a great development. In 2016, Global Market Size of Solar PV is nearly 38594.78 M USD; the actual sale is about 70546 MW.

China is the largest Solar PV region of Solar PV, with a sales market share nearly 31.94% in 2016. Asia pacific owns the largest market share comparing with Europe and North America, indicating the strong demand of Solar PV products.

The cost of PV has dropped dramatically as the industry has scaled up manufacturing and incrementally improved the technology with new materials. Installation costs have come down too with more experienced and trained installers. However, the U.S. still remains behind other nations that have stronger national policies to shift energy use from fossil fuels to solar. Globally, the U.S. is the fourth largest market for PV installations behind world leaders Germany, Japan and Spain.

Most modern solar cells are made from either crystalline silicon or thin-film

semiconductor material. Silicon cells are more efficient at converting sunlight to electricity, but generally have higher manufacturing costs. Thin-film materials typically have lower efficiencies, but can be simpler and less costly to manufacture. A specialized category of solar cells - called multi-junction or tandem cells - are used in applications requiring very low weight and very high efficiencies, such as satellites and military applications. All types of PV systems are widely used today in a variety of applications.

Although there are many pessimistic factors, but the Solar PV industry is a clear development trend from 2016, the installation of Solar PV was about 70.55 GW, a huge increase compared to 2015. And in 2017, it is expected that the installation will have a great increase. Undoubtedly, the total capacity and production of Solar PV will be expanding in the following years.

The worldwide market for PV (Photovoltaics) is expected to grow at a CAGR of roughly 12.2% over the next five years, will reach 85200 million US\$ in 2023, from 42700 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Jinko Solar

Trina Solar

Canadian Solar

Hanwha

JA Solar

First Solar

ReneSola

Yingli

SunPower

Eging PV

Chint Group

Shunfeng

Risen

Solarworld

REC Group

CSUN

Hareonsolar

Kyocera Solar

Solar Frontier

HT-SAAE

SoloPower

NSP

Hanergy

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

Single Crystal Silicon

Polycrystalline Silicon

Other

Market Segment by Applications, can be divided into

Residential

Commercial

Ground Station

There are 15 Chapters to deeply display the global PV (Photovoltaics) market.

Chapter 1, to describe PV (Photovoltaics) Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of PV (Photovoltaics), with sales, revenue, and price of PV (Photovoltaics), 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 PV (Photovoltaics), 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, PV (Photovoltaics) market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe PV (Photovoltaics) sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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