

# 2018 Top 5 PV (Photovoltaics) Players in North America, Europe, Asia-Pacific, South America, Middle East and Africa

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## Abstracts

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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.

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.

Over the next five years, LPI(LP Information) projects that PV (Photovoltaics) will register a 12.2% CAGR in terms of revenue, reach US\$ 85200 million by 2023, from US\$ 42700 million in 2017.

This report studies the global market, especially in North America, Europe, Asia-Pacific, South America, Middle East and Africa, focuses on the top 5 players in each region, with sales, price, revenue and market share from 2013 to 2018, the top players:

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, this report splits Global into several key Regions, with sales, revenue, market share of top players in these regions, from 2013 to 2018 (forecast), like

North America (United States, Canada and Mexico)

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

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

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South America (Brazil, Chile, Peru and Argentina)

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

Split by Product Types, with sales, revenue, price, market share of each type, can be divided into

Single Crystal Silicon

Polycrystalline Silicon

Other

Split by applications, this report focuses on sales, market share and growth rate in each application, can be divided into

Residential

Commercial

Ground Station

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