

Global Solar Panel Market Research and Analysis, 2015-2022

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Abstracts

Market Insights

The solar panel market is projected to witness an exponential growth rate during the forecasted period 2016-2022. Growing trend towards renewable energy and supportive government initiatives are the key forces driving the global market. One of the finest example of supportive government initiative is the Jawaharlal Nehru National Solar Mission which was launched on 11th January 2010. The mission was primarily targeted at deploying around 20,000 MW of grid connected solar power by the year 2022. It also aims at reducing the solar power generation cost within India by large scale deployment goals through a long-term policy and increasing the domestic production of critical components, raw materials and products and extensive R&D. Depleting natural resources has acted as a potential factor for the growth of the solar energy which in turn is boosting solar panel market. Around 40% of the energy is generated from coal which attributes towards environmental pollution. In such cases, solar energy is a promising alternative to the fossil fuels.

Decreasing prices of solar modules is projected to create significant growth opportunities for the global market. In China, the lowest reported in-house solar module production cost (including depreciation) in Q1 2016 was 37 U.S. cents (\$0.37) per W. And as per Canadian Solar Inc., this cost is projected to decrease by 22% and reach around 29 U.S. cents (\$0.29) per W by the end of 2017. However, low capacity factor coupled with low adoption in lower income countries is projected to hamper the growth of the global solar panel market.

Geographical Insights

The global solar panel market can be bifurcated geographically into Asia Pacific, Europe, North America and Rest of the World. Across regions, Asia Pacific is projected to witness the highest growth rate in the global solar panel market during the forecasted period. The growth of the region is backed by the presence of potential forces within the regional countries. Chinese government's strong solar commitment has boosted the country solar PV market. In 2015, China's solar PV market was 15.5 GW, up by 46% from 10.6 GW in 2014, accounting for around 30% of total global demand solely. In 2015, China took over the title of largest total installed solar power capacity from Germany. At the end of 2015, China reached 43.5GW solar power capacity installation as compared to Germany at around 40GW. Along with it, Japan also gained 3rd position with around 34.3 GW connected to the grid. During 2015, Japan and China together accounted for over half of the new solar grid-connections, driven by the utility-scale power plants and feed-in tariffs. Rapid increase in solar power capacity within the regional countries is expected to attribute towards the growth of the regional market.

North America also gains a significant market share in the global solar panel market. The U.S. market grew its grid-connected capacity from 6.2GW in 2014 to 7.3GW in 2015. The growth of the region is backed by the state renewable portfolio standards as well as a 30% ITC (Investment Tax Credit) which have incentivized around half of the new installations being the utility-scale power plants. Although, other incentive tool such as net metering is increasingly challenged by the utilities & regulators resulting in the rising demand of solar power in the residential application. In the U.S., the demand for residential solar power increased by about 70% to over 2GW.

The report includes detailed market overview, market determinants, company profiling, sector analysis, market segmentation, geographical analysis, patent analysis, strategic recommendations, key company analysis, gap analysis, key findings, market estimations, market insights, analyst insights and predictive analysis of the market.

Competitive Insights

The key players of solar panel market include AGL Solar Energy, First Solar Inc., Yingli Solar Energy Company, Trina Solar Ltd., Photonix Solar Pvt. Ltd. and Goal Zero Corporation. Agreements & partnerships, mergers & acquisitions and geographical expansion are some of the key strategies adopted by the market players with the aim to strengthen their market share in the global market. On April 2014, Yingli Green Energy signed an agreement with United PV for the acquisition of around 300MW solar PV plants. Yingli Energy Company Limited had entered into this agreement for the

acquisition of solar PV plants in China to be constructed and developed by Yingli Green Energy. This collaboration is expected to benefit both the companies in expanding their solar PV business in China.

Market Segmentation:

Solar Panel Market by Application

Commercial

Industrial

Residential

Power Plants

Others

Solar Panel Market by Type

Polycrystalline Solar Panels

Monocrystalline Solar Panels

Amorphous Solar Panels

OMR report covers:

Comprehensive research methodology of global Solar Panel market

In-depth analysis of macro and micro factors influencing the market guided by key recommendations.

Analysis of regional regulations and other government policies impacting the global Solar Panel market

Insights about market determinants which are stimulating the global Solar Panel market

Detailed and extensive market segments with regional distribution of researched revenues

Extensive profiles and recent developments of market players

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