

North America Solar Photovoltaic Market Outlook to 2015 - Evolving US Solar PV Industry

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Abstracts

AM Mindpower Solutions announces the release of its new research report titled "North America Solar Photovoltaic Market Outlook to 2015 - Evolving US Solar PV Industry". The report offers a comprehensive analysis of the Solar PV industry across the North America Region. It includes a detail analysis of the North America as a region with further analysis on solar PV market in countries the US and Canada.

The report covers information on various topics such as On-Grid and Off-Grid Cumulative and Annual Installed Capacity, PV power per capita, market segmentation, trends prevailing across the region and competitive landscape of the major players operating in the countries. The report entails the SWOT analysis of solar PV market in the two countries.

The future outlook presented the base case, conservative case and aggressive case scenario factor analysis providing an insight on the prospects in the solar PV cumulative and annual installed capacity for the two countries and region. The report also includes the cause and effect relationship among the various industry factors prevailing in the solar PV market.

The solar PV market is flourishing in the North America region because of the rising demand from consumers and financial support schemes from the government of various countries in the region. In 2010, annual installed capacity of 982 MW was installed in the region with majority falling in the on grid segment. However in 2009, only 539 MW of additional installation took place. The annual installed capacity almost doubled in 2010 as compared to in 2009. Utility sector was the segment which received the maximum number of installations rising nearly 4 times, while the residential and non residential segment witnessed 100% growth.



The annual PV installations increased at a CAGR of 60.2% from 2006-2010. Rising annual installations over the years symbolizes many things such as the nature of importance realized with the use of solar PV technology, rise in awareness regarding the harmful effects of carbon emission gases and search for an alternative source of energy. It is anticipated that the PV technology will be one of the many alternatives available for clean energy. The annual PV installations registered a strong increase in 2010 with the number of PV installations rising from 539 MW in 2009 to 982 MW in 2010. This boost was largely because of the increase registered in the off grid segment. The segment registered a growth of 168%, rising from 84 MW of installed capacity in 2009 to 226 MW of installed capacity in 2010.

During the period from 2006-2010, the cumulative installed capacity increased from 624 MW in 2006 to 2,528 MW in 2010, rising at a CAGR of 41.9%. This increasing demand for solar PV products placed the US as one of the significant markets after Germany and Spain. In reality, the US is one of the countries which can sustain the solar PV demand for long term in future.

However, since 2008 the demand for Single-Crystal Si has increased tremendously. The demand for Concentrator technology is rising gradually over the years. The shipment of PV cells and modules for Single-Crystal has increased from 86 KWp in 2006 to 581 KWp in 2009, becoming the largest Crystalline Silicon technology shipped in 2009. In 2009, the shipments of PV cell and module made up of cast and ribbon and thin-film technology were 404 KWp and 267 KWp respectively.

The base case scenario assumes normal business conditions where government tariff rate will be reduced in line of the cost of solar PV systems. The market will though propel as the economic stimulus and investment in new upcoming solar power farms will materialize. The cumulative installed capacity in this case is expected to be ~ MW in 2011 with the projections to grow 6 times to ~ MW by 2015.

KEY TOPICS COVERED IN THE REPORT

The feed-in-tariffs introduced in the various countries and their effect on the solar PV market

The annual and cumulative PV installations along with PV power per capita in various countries and region from 2006-2010



Future Outlook on the basis of assumed scenarios i.e. base case, worst case and aggressive case on cumulative installed capacity, annual installed capacity and PV power per capita, from 2011-2015

Cause and effect relationship analysis between various industry factors prevalent in the region

SWOT analysis of the solar PV industry and Macro Economic Environment in various countries.

Competitive Landscape of the various players operating in various countries across the globe.



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