

Solar Photovoltaic (PV) Installations Market by Technology (Thin Film, Crystalline Silicon, and Others), by Grid Type (Grid Connected and Off-Grid), and by End Use (Residential, Commercial, and Utility Scale) - Global Opportunity Analysis and Industry Forecast, 2017-2023

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Abstracts

The global solar photovoltaic (PV) installations market size was valued at \$131,818 million in 2016, and is anticipated to grow at a CAGR of 17.4% to reach \$393,594 million during 2017 to 2023. Solar energy is an upcoming form of renewable energy with numerous economic and environmental benefits that make it an attractive complement to, in comparison with traditional forms of electricity generation. Moreover, in recent years the price of PV solar power systems and total cost of installing PV systems, has declined to the levels, which are competitive with the wholesale price of electricity in many markets.

The sudden decline of prices in recent years opens new possibilities to develop PV systems in some locations with limited or no financial incentives. Furthermore, the fact that a PV solar power system requires no fuel provides a unique and valuable benefits to owners of such systems relative to traditional electricity generation assets.

This report projects the trends and opportunities of the global solar photovoltaic (PV) installations market. It includes a qualitative and quantitative analysis with comprehensive research methodologies and reliable projections to understand the present overview and predict the market behavior during the forecast period.

The global solar photovoltaic (PV) installations market witnesses strong growth owing to the availability of solar energy and increase in demand for electricity. Moreover, various encouraging steps taken by government to promote this mode of power generation and formation of multiple policies is expected to fuel the market growth. In addition, increase

in demand for solar energy from residential, utility scale, and commercial sectors also boost the growth of the market. Furthermore, affordability of the installations has increased owing to high levels of market competition. Rise in property value, durability, and decrease in utility bills also contribute to the market growth in residential areas.

The global solar photovoltaic (PV) installations market is segmented based on technology, grid-type, end use, and geography. On the basis of technology, it is classified into thin film, crystalline silicon (mono and multi crystalline), and others (organic and concentrator photovoltaics). On the basis of grid type, it is bifurcated into grid connected and off-grid. Grid connected is further divided into centralized and decentralized. By end use, the market is categorized into residential, commercial, and utility scale. By geography, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Key market players in this sector include:

Trina Solar Ltd

Canadian Solar Inc

JA Solar

First Solar Inc

Jinko Solar Holding Company Ltd

Yingli Green Energy Holding Co. Ltd

Renesola

Sun Power Corporation

Solar World Ag and

Mitsubishi Electric Corporation.

KEY BENEFITS FOR STAKEHOLDERS

This report provides a quantitative analysis of the current trends, estimations,

and dynamics through 2016–2023, which assists to identify the prevailing market opportunities.

Major countries in each region are studied as per key trends, developments, and presence of industry players in the market.

Region-wise and country-wise market conditions are comprehensively analyzed in the report.

Key players of the market are also listed.

This study evaluates the value chain to understand the competitive environment across geographies.

An in-depth analysis of segmentation is provided to elucidate the dominant market opportunities.

KEY MARKET SEGMENTATION

By Technology

Thin Film

Crystalline Silicon

Monocrystalline

Multicrystalline

Others (Organic and Concentrator Photovoltaics)

By Grid Type

Grid Connected

Centralized

Decentralized

Off-Grid

By End Use

Residential

Commercial

Utility Scale

By Region

North America

U.S.

Canada

Mexico

Europe

France

Germany

UK

Spain

Italy

Rest of Europe

Asia-Pacific

India

China

Japan

Australia

Korea

Rest of Asia-Pacific

LAMEA

Brazil

Chile

South Africa

Rest of LAMEA

The other players in the value chain (profiles not included in the report) are:

Kaneka Corporation

Kyocera Corporation

Panasonic Corporation

Sharp Corporation Ltd

BP Solar International

Bloo Solar Inc

1366 Technologies Inc. and

3GSolar Photovoltaics Ltd

The above list of companies is not profiled in the report, but can be added based on client interest.

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