

Global Rooftop Solar PV Market: Size, Trend, Share, Opportunity Analysis, and Forecast, 2014-2025

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Abstracts

A rooftop solar photovoltaic (PV) is a rooftop-mounted electricity generating system from solar energy. In this system, solar panels are mounted on the rooftop of a residential or commercial building or structure. Rooftop solar PVs are advantageous because they reduce land requirement, decrease the dependency on grid power, lower the dependency on diesel generator, and can prove to be long-term reliable power sources. The global rooftop solar PV market is expected to grow at a CAGR of 19.2% from 2017 to 2025.

The global rooftop solar PV market is segmented based on applications and geography. According to applications, the market is categorized into residential and commercial applications. Geographic breakdown and deep analysis of each of the aforesaid segments have resulted in the following regions: North America, Europe, Asia-Pacific, and LAMEA.

MARKET DYNAMICS:

Drivers:

Supportive governmental policies, subsidies, and tax credits are anticipated to increase the demand for rooftop solar PV during the forecast period.

Declining battery costs are expected to lead to a rise in the adoption of rooftop solar PVs during the forecast period.

Rising adoption of distributed PV technology globally to decrease levelized cost of electricity (LCOE) is expected to fuel the demand for solar PVs during the forecast period.

Restraints:

Lack of robust smart grid infrastructure and net metering policies are projected to hamper growth of the rooftop solar PV market.

MARKET PLAYERS:

The top players in the global rooftop solar PV market include Trina Solar Limited, Yingli Green Energy Holding Company Limited, Canadian Solar Inc., Jinko Solar Holding Co., Ltd., SolarWorld AG, SunPower Corporation, Shunfeng International Clean Energy Limited, Hanwha Q CELLS Co Ltd., JA Solar Holdings, Co., Ltd., and Vivint Solar, Inc.

KEY TAKEAWAYS

MARKET LANDSCAPE

By Application

Residential

Commercial

By Geography

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia-Pacific

China

Japan

India

Australia

South Korea

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

Argentina

Rest of LAMEA

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