

Solar Energy Market Forecasts to 2028 – Global Analysis By Technology (Harnessing Technology, PV Systems), Application (Heating, Power Generation), Generation (First Generation, Second Generation) and By Geography

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Abstracts

According to Statistics MRC, the Global Solar Energy Market is accounted for \$76.23 billion in 2020 and is expected to reach \$296.40 billion by 2028 growing at a CAGR of 18.5% during the forecast period. Increase in environmental pollution, surge in rooftop installations and increase in applications in the architectural sector are driving the market growth. However, climatic conditions and geographical latitudes are hampering the growth of the market.

Solar energy is the radiant energy emitted from the sun, which is harnessed by using various technologies such as solar heating, photovoltaic cells, and others. It is an efficient renewable energy, and mitigates environmental risks that arise from greenhouse gas emissions.

Based on the technology, the concentrated solar power (CSP) systems segment is going to have lucrative growth during the forecast period due to the increasing support for CSP installations in the form of legislative policies in countries with limited oil & gas reserves and a need for energy storage is set to drive the segment growth in the years ahead.

By geography, Asia Pacific is going to have high growth during the forecast period due to the expansion of solar power production in emerging countries such as Japan, India, and China and those countries are contributing to the progress of the APAC region. Moreover, increasing demand for electricity owing to rising population and fast

industrialization increases the market growth.

Some of the key players profiled in the Solar Energy Market include Abengoa Solar S.A. , Acciona Energia S.A, Bright source Energy Inc., Esolar Inc, Sunpower Corporation, Canadian Solar Inc, Sunways AG, Renesola, Bharat Heavy Electricals Limited (BHEL), Motech Industries, Solar World AG, Tata Power, Gintech Energy Corp and First Solar Inc.

Technologies Covered:

Harnessing Technology

Concentrated Solar Power (CSP) Systems

Capturing Technology

Photovoltaic (PV) Systems

Solar Module Panels Covered:

Amorphous Silicon Cells

Mono-Crystalline Silicon Cells

Cadmium Telluride

Copper Indium Gallium Selenide (CIGS)

Polycrystalline Silicon Cells

Applications Covered:

Heating

Electricity/Power Generation

Charging and Lighting

Generations Covered:

First Generation

Second Generation

Third Generation

Off-Grids Covered:

Non-Residential

Residential

End Users Covered:

Transportation

Agriculture & Horticulture

Commercial

Architecture

Industrial

Utility-Scale

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country-level segments

Strategic recommendations for the new entrants

Covers Market data for the years 2019, 2020, 2021, 2025 and 2028

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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