

Global PV (Photovoltaics) Market Growth 2025-2031

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Abstracts

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The global PV (Photovoltaics) market size is predicted to grow from US\$ 78080 million in 2025 to US\$ 125980 million in 2031; it is expected to grow at a CAGR of 8.3% from 2025 to 2031.

Solar PV is one kind of device made from crystalline silicon or thin film which converts solar energy into electricity by a process known as the photovoltaic effect. The key indicator for solar PV is conversion efficiency.

In this report, the statistical product is considered from the solar module, the statistical data is considered from the shipment volume.

Global PV (Photovoltaics) key players include Jinko Solar, Trina Solar, Canadian Solar, Hanwha, JA Solar, etc. Global top five players hold a share about 40%.

China is the largest market, with a share about 30%, followed by North America and Europe, having a total share about 30 percent.

In terms of product, Polycrystalline Silicon is the largest segment, with a share about 60%. And in terms of application, the largest application is Ground Station, followed by Residential, Commercial.

LP Information, Inc. (LPI) ' newest research report, the "PV (Photovoltaics) Industry Forecast" looks at past sales and reviews total world PV (Photovoltaics) sales in 2024, providing a comprehensive analysis by region and market sector of projected PV (Photovoltaics) sales for 2025 through 2031. With PV (Photovoltaics) sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in

US\$ millions of the world PV (Photovoltaics) industry.

This Insight Report provides a comprehensive analysis of the global PV (Photovoltaics) landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on PV (Photovoltaics) portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global PV (Photovoltaics) market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for PV (Photovoltaics) and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global PV (Photovoltaics).

This report presents a comprehensive overview, market shares, and growth opportunities of PV (Photovoltaics) market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Single Crystal Silicon

Polycrystalline Silicon

Other

Segmentation by Application:

Residential

Commercial

Ground Station

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Jinko Solar

Trina Solar

Canadian Solar

Hanwha

JA Solar

First Solar

ReneSola

Yingli

SunPower

Eging PV

Chint Group

Shunfeng

Risen

Solarworld

REC Group

CSUN

Hareonsolar

Kyocera Solar

Solar Frontier

HT-SAAE

SoloPower

NSP

Hanergy

Key Questions Addressed in this Report

What is the 10-year outlook for the global PV (Photovoltaics) market?

What factors are driving PV (Photovoltaics) market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do PV (Photovoltaics) market opportunities vary by end market size?

How does PV (Photovoltaics) break out by Type, by Application?

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