

Global Solar PV Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Solar PV market size was valued at USD 50040 million in 2023 and is forecast to a readjusted size of USD 56760 million by 2030 with a CAGR of 1.8% during review period.

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.

The major players in global Solar PV market include Hanwha, Sharp, First Solar, etc., and the market concentration rate is low. China and Japan are main markets, they occupy about 50% of the global market. Crystalline Silicon is the main type, with a share about 90%. Ground Station is the main application, which holds a share over 60%.

The Global Info Research report includes an overview of the development of the Solar PV industry chain, the market status of Residential (Crystalline Silicon, Compound Type), Commercial (Crystalline Silicon, Compound Type), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Solar PV.

Regionally, the report analyzes the Solar PV markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Solar PV market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Solar PV market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Solar PV industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (GWh), revenue generated, and market share of different by Type (e.g., Crystalline Silicon, Compound Type).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Solar PV market.

Regional Analysis: The report involves examining the Solar PV market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Solar PV market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Solar PV:

Company Analysis: Report covers individual Solar PV manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Solar PV This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Residential, Commercial).

Technology Analysis: Report covers specific technologies relevant to Solar PV. It assesses the current state, advancements, and potential future developments in Solar PV areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Solar PV market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Solar PV market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Crystalline Silicon

Compound Type

Others

Market segment by Application

Residential

Commercial

Ground Station

Major players covered

Hanwha

Sharp

First Solar

Kyocera Solar

SunPower

REC Group

Solar Frontier

Solarworld

NSP

SoloPower

Trina Solar

Yingli

Canadian Solar

Jinko Solar

JA Solar

ReneSola

Shunfeng

Chint Group

Hareonsolar

Eging PV

Risen

HT-SAAE

CSUN

BYD

Hanergy

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Solar PV product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Solar PV, with price, sales, revenue and global market share of Solar PV from 2019 to 2024.

Chapter 3, the Solar PV competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Solar PV breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Solar PV market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Solar PV.

Chapter 14 and 15, to describe Solar PV sales channel, distributors, customers, research findings and conclusion.

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