

Global Thin-Film PV Modules Market Growth (Status and Outlook) 2024-2030

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Abstracts

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According to our LPI (LP Information) latest study, the global Thin-Film PV Modules market size was valued at US\$ million in 2023. With growing demand in downstream market, the Thin-Film PV Modules is forecast to a readjusted size of US\$ million by 2030 with a CAGR of % during review period.

The research report highlights the growth potential of the global Thin-Film PV Modules market. Thin-Film PV Modules are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Thin-Film PV Modules. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Thin-Film PV Modules market.

China has implemented the Renewable Energy Law since 2006, in which Article 4 clearly states that, the State gives first priority to the exploration of renewable energy. Over the years, various departments of the Chinese government have successively issued a large number of policies, covering production, sales, taxation, subsidies and other aspects. After setting the carbon neutrality goal in 2021, from a national perspective, the upgrading of the energy structure is ever imperative, and therefore the optoelectronic industry has great potential. The European Commission released the Net-Zero Industry Act in 2023. This bill aims to stimulate local manufacturing in Europe, reduce import dependence on China, and ensure that at least 40% of the EU's clean energy demand can be met by 2030. The EU targets an installed solar capacity of 600 GW. Overall, the European market still has a lot of room for development. US 2022

release of the Inflation Reduction Act, which includes \$369 billion for energy security and climate change investments. For the photovoltaic industry, the bill stimulates its development from multiple aspects such as corporate and individual tax credits, production subsidies, and loans throughout the industry chain, and revitalizes the domestic manufacturing industry in the United States. Japanese authorities plan to make solar panels mandatory for new residential buildings in Tokyo from 2025 onwards. It is estimated that by 2030, photovoltaic power generation will account for 14%-16% of Japan's total power generation, and the cumulative installed capacity of photovoltaic systems will be about 117.25 GW.

Key Features:

The report on Thin-Film PV Modules market reflects various aspects and provide valuable insights into the industry.

Market Size and Growth: The research report provide an overview of the current size and growth of the Thin-Film PV Modules market. It may include historical data, market segmentation by Type (e.g., Amorphous silicon (a-Si), Cadmium Telluride (CdTe)), and regional breakdowns.

Market Drivers and Challenges: The report can identify and analyse the factors driving the growth of the Thin-Film PV Modules market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

Competitive Landscape: The research report provides analysis of the competitive landscape within the Thin-Film PV Modules market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

Technological Developments: The research report can delve into the latest technological developments in the Thin-Film PV Modules industry. This include advancements in Thin-Film PV Modules technology, Thin-Film PV Modules new entrants, Thin-Film PV Modules new investment, and other innovations that are shaping the future of Thin-Film PV Modules.

Downstream Procumbent Preference: The report can shed light on customer procumbent behaviour and adoption trends in the Thin-Film PV Modules market. It

includes factors influencing customer ' purchasing decisions, preferences for Thin-Film PV Modules product.

Government Policies and Incentives: The research report analyse the impact of government policies and incentives on the Thin-Film PV Modules market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting Thin-Film PV Modules market. The report also evaluates the effectiveness of these policies in driving market growth.

Environmental Impact and Sustainability: The research report assess the environmental impact and sustainability aspects of the Thin-Film PV Modules market.

Market Forecasts and Future Outlook: Based on the analysis conducted, the research report provide market forecasts and outlook for the Thin-Film PV Modules industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

Recommendations and Opportunities: The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the Thin-Film PV Modules market.

Market Segmentation:

Thin-Film PV Modules 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 value.

Segmentation by type

Amorphous silicon (a-Si)

Cadmium Telluride (CdTe)

Copper Indium Gallium Selenide (CIG/ CIGS)

Organic photovoltaic (OPV/ DSC/ DYSC)

Segmentation by application

Ground Power Station

Industrial and Commercial Roof

Residential Roof

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 analyzing the company's coverage, product portfolio, its market penetration.

First Solar

Sharp

Solar Frontier

Hanergy

ZSW

Sentech

Stion

CivicSolar

KANEKA Solar Energy

SoloPower

Solar-Facts

Flisom

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Thin-Film PV Modules Market Size 2019-2030
 - 2.1.2 Thin-Film PV Modules Market Size CAGR by Region 2019 VS 2023 VS 2030
- 2.2 Thin-Film PV Modules Segment by Type
 - 2.2.1 Amorphous silicon (a-Si)
 - 2.2.2 Cadmium Telluride (CdTe)
 - 2.2.3 Copper Indium Gallium Selenide (CIG/ CIGS)
 - 2.2.4 Organic photovoltaic (OPV/ DSC/ DYSC)
- 2.3 Thin-Film PV Modules Market Size by Type
 - 2.3.1 Thin-Film PV Modules Market Size CAGR by Type (2019 VS 2023 VS 2030)
 - 2.3.2 Global Thin-Film PV Modules Market Size Market Share by Type (2019-2024)
- 2.4 Thin-Film PV Modules Segment by Application
 - 2.4.1 Ground Power Station
 - 2.4.2 Industrial and Commercial Roof
 - 2.4.3 Residential Roof
- 2.5 Thin-Film PV Modules Market Size by Application
 - 2.5.1 Thin-Film PV Modules Market Size CAGR by Application (2019 VS 2023 VS 2030)
 - 2.5.2 Global Thin-Film PV Modules Market Size Market Share by Application (2019-2024)

3 THIN-FILM PV MODULES MARKET SIZE BY PLAYER

- 3.1 Thin-Film PV Modules Market Size Market Share by Players

- 3.1.1 Global Thin-Film PV Modules Revenue by Players (2019-2024)
- 3.1.2 Global Thin-Film PV Modules Revenue Market Share by Players (2019-2024)
- 3.2 Global Thin-Film PV Modules Key Players Head office and Products Offered
- 3.3 Market Concentration Rate Analysis
 - 3.3.1 Competition Landscape Analysis
 - 3.3.2 Concentration Ratio (CR3, CR5 and CR10) & (2022-2024)
- 3.4 New Products and Potential Entrants
- 3.5 Mergers & Acquisitions, Expansion

4 THIN-FILM PV MODULES BY REGIONS

- 4.1 Thin-Film PV Modules Market Size by Regions (2019-2024)
- 4.2 Americas Thin-Film PV Modules Market Size Growth (2019-2024)
- 4.3 APAC Thin-Film PV Modules Market Size Growth (2019-2024)
- 4.4 Europe Thin-Film PV Modules Market Size Growth (2019-2024)
- 4.5 Middle East & Africa Thin-Film PV Modules Market Size Growth (2019-2024)

5 AMERICAS

- 5.1 Americas Thin-Film PV Modules Market Size by Country (2019-2024)
- 5.2 Americas Thin-Film PV Modules Market Size by Type (2019-2024)
- 5.3 Americas Thin-Film PV Modules Market Size by Application (2019-2024)
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

6 APAC

- 6.1 APAC Thin-Film PV Modules Market Size by Region (2019-2024)
- 6.2 APAC Thin-Film PV Modules Market Size by Type (2019-2024)
- 6.3 APAC Thin-Film PV Modules Market Size by Application (2019-2024)
- 6.4 China
- 6.5 Japan
- 6.6 Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia

7 EUROPE

- 7.1 Europe Thin-Film PV Modules by Country (2019-2024)
- 7.2 Europe Thin-Film PV Modules Market Size by Type (2019-2024)
- 7.3 Europe Thin-Film PV Modules Market Size by Application (2019-2024)
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

8 MIDDLE EAST & AFRICA

- 8.1 Middle East & Africa Thin-Film PV Modules by Region (2019-2024)
- 8.2 Middle East & Africa Thin-Film PV Modules Market Size by Type (2019-2024)
- 8.3 Middle East & Africa Thin-Film PV Modules Market Size by Application (2019-2024)
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

10 GLOBAL THIN-FILM PV MODULES MARKET FORECAST

- 10.1 Global Thin-Film PV Modules Forecast by Regions (2025-2030)
 - 10.1.1 Global Thin-Film PV Modules Forecast by Regions (2025-2030)
 - 10.1.2 Americas Thin-Film PV Modules Forecast
 - 10.1.3 APAC Thin-Film PV Modules Forecast
 - 10.1.4 Europe Thin-Film PV Modules Forecast
 - 10.1.5 Middle East & Africa Thin-Film PV Modules Forecast
- 10.2 Americas Thin-Film PV Modules Forecast by Country (2025-2030)
 - 10.2.1 United States Thin-Film PV Modules Market Forecast
 - 10.2.2 Canada Thin-Film PV Modules Market Forecast

- 10.2.3 Mexico Thin-Film PV Modules Market Forecast
- 10.2.4 Brazil Thin-Film PV Modules Market Forecast
- 10.3 APAC Thin-Film PV Modules Forecast by Region (2025-2030)
 - 10.3.1 China Thin-Film PV Modules Market Forecast
 - 10.3.2 Japan Thin-Film PV Modules Market Forecast
 - 10.3.3 Korea Thin-Film PV Modules Market Forecast
 - 10.3.4 Southeast Asia Thin-Film PV Modules Market Forecast
 - 10.3.5 India Thin-Film PV Modules Market Forecast
 - 10.3.6 Australia Thin-Film PV Modules Market Forecast
- 10.4 Europe Thin-Film PV Modules Forecast by Country (2025-2030)
 - 10.4.1 Germany Thin-Film PV Modules Market Forecast
 - 10.4.2 France Thin-Film PV Modules Market Forecast
 - 10.4.3 UK Thin-Film PV Modules Market Forecast
 - 10.4.4 Italy Thin-Film PV Modules Market Forecast
 - 10.4.5 Russia Thin-Film PV Modules Market Forecast
- 10.5 Middle East & Africa Thin-Film PV Modules Forecast by Region (2025-2030)
 - 10.5.1 Egypt Thin-Film PV Modules Market Forecast
 - 10.5.2 South Africa Thin-Film PV Modules Market Forecast
 - 10.5.3 Israel Thin-Film PV Modules Market Forecast
 - 10.5.4 Turkey Thin-Film PV Modules Market Forecast
 - 10.5.5 GCC Countries Thin-Film PV Modules Market Forecast
- 10.6 Global Thin-Film PV Modules Forecast by Type (2025-2030)
- 10.7 Global Thin-Film PV Modules Forecast by Application (2025-2030)

11 KEY PLAYERS ANALYSIS

- 11.1 First Solar
 - 11.1.1 First Solar Company Information
 - 11.1.2 First Solar Thin-Film PV Modules Product Offered
 - 11.1.3 First Solar Thin-Film PV Modules Revenue, Gross Margin and Market Share (2019-2024)
 - 11.1.4 First Solar Main Business Overview
 - 11.1.5 First Solar Latest Developments
- 11.2 Sharp
 - 11.2.1 Sharp Company Information
 - 11.2.2 Sharp Thin-Film PV Modules Product Offered
 - 11.2.3 Sharp Thin-Film PV Modules Revenue, Gross Margin and Market Share (2019-2024)
 - 11.2.4 Sharp Main Business Overview

- 11.2.5 Sharp Latest Developments
- 11.3 Solar Frontier
 - 11.3.1 Solar Frontier Company Information
 - 11.3.2 Solar Frontier Thin-Film PV Modules Product Offered
 - 11.3.3 Solar Frontier Thin-Film PV Modules Revenue, Gross Margin and Market Share (2019-2024)
 - 11.3.4 Solar Frontier Main Business Overview
 - 11.3.5 Solar Frontier Latest Developments
- 11.4 Hanergy
 - 11.4.1 Hanergy Company Information
 - 11.4.2 Hanergy Thin-Film PV Modules Product Offered
 - 11.4.3 Hanergy Thin-Film PV Modules Revenue, Gross Margin and Market Share (2019-2024)
 - 11.4.4 Hanergy Main Business Overview
 - 11.4.5 Hanergy Latest Developments
- 11.5 ZSW
 - 11.5.1 ZSW Company Information
 - 11.5.2 ZSW Thin-Film PV Modules Product Offered
 - 11.5.3 ZSW Thin-Film PV Modules Revenue, Gross Margin and Market Share (2019-2024)
 - 11.5.4 ZSW Main Business Overview
 - 11.5.5 ZSW Latest Developments
- 11.6 Sentech
 - 11.6.1 Sentech Company Information
 - 11.6.2 Sentech Thin-Film PV Modules Product Offered
 - 11.6.3 Sentech Thin-Film PV Modules Revenue, Gross Margin and Market Share (2019-2024)
 - 11.6.4 Sentech Main Business Overview
 - 11.6.5 Sentech Latest Developments
- 11.7 Stion
 - 11.7.1 Stion Company Information
 - 11.7.2 Stion Thin-Film PV Modules Product Offered
 - 11.7.3 Stion Thin-Film PV Modules Revenue, Gross Margin and Market Share (2019-2024)
 - 11.7.4 Stion Main Business Overview
 - 11.7.5 Stion Latest Developments
- 11.8 CivicSolar
 - 11.8.1 CivicSolar Company Information
 - 11.8.2 CivicSolar Thin-Film PV Modules Product Offered

11.8.3 CivicSolar Thin-Film PV Modules Revenue, Gross Margin and Market Share (2019-2024)

11.8.4 CivicSolar Main Business Overview

11.8.5 CivicSolar Latest Developments

11.9 KANEKA Solar Energy

11.9.1 KANEKA Solar Energy Company Information

11.9.2 KANEKA Solar Energy Thin-Film PV Modules Product Offered

11.9.3 KANEKA Solar Energy Thin-Film PV Modules Revenue, Gross Margin and Market Share (2019-2024)

11.9.4 KANEKA Solar Energy Main Business Overview

11.9.5 KANEKA Solar Energy Latest Developments

11.10 SoloPower

11.10.1 SoloPower Company Information

11.10.2 SoloPower Thin-Film PV Modules Product Offered

11.10.3 SoloPower Thin-Film PV Modules Revenue, Gross Margin and Market Share (2019-2024)

11.10.4 SoloPower Main Business Overview

11.10.5 SoloPower Latest Developments

11.11 Solar-Facts

11.11.1 Solar-Facts Company Information

11.11.2 Solar-Facts Thin-Film PV Modules Product Offered

11.11.3 Solar-Facts Thin-Film PV Modules Revenue, Gross Margin and Market Share (2019-2024)

11.11.4 Solar-Facts Main Business Overview

11.11.5 Solar-Facts Latest Developments

11.12 Flisom

11.12.1 Flisom Company Information

11.12.2 Flisom Thin-Film PV Modules Product Offered

11.12.3 Flisom Thin-Film PV Modules Revenue, Gross Margin and Market Share (2019-2024)

11.12.4 Flisom Main Business Overview

11.12.5 Flisom Latest Developments

12 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

List Of Figures

LIST OF FIGURES

I would like to order

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