

Thin-Film PV Module Market anticipated to reach US\$13.895 billion by 2030 at a CAGR of 4.47%

The thin-film pv module market is anticipated to grow at a CAGR of 4.47% from US\$11.166 billion in 2025 to US\$13.895 billion by 2030.

NEW YORK, NY, UNITED STATES, March 24, 2025 /EINPresswire.com/ -- According to a new study published by Knowledge Sourcing Intelligence, the [thin-film pv module market](#) is projected to grow at a CAGR of 4.47% between 2025 and 2030 to reach US\$13.895 billion by 2030.

The rise in environmental concerns and the need to reduce carbon emissions have led to a shift towards clean and sustainable energy sources. This has resulted in a growing demand for thin-film PV modules, which are known for their high efficiency and cost-effectiveness. These modules are made using thin layers of [semiconductor materials](#), making them lightweight and flexible, and can be easily integrated into various applications such as building-integrated photovoltaics, portable electronics, and solar farms.

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The Asia-Pacific region is expected to dominate the global thin-film PV module market, with China being the largest producer and consumer of these modules. The region is witnessing a rapid growth in [solar energy](#) installations, driven by government initiatives and favorable policies. Additionally, the increasing investments in research and development activities to improve the efficiency of thin-film PV modules are also contributing to the market

growth.



As the world continues to shift towards clean and sustainable energy sources, the global thin-film PV module market is expected to witness significant growth in the coming years. With advancements in technology and favorable government policies, the market is poised for further expansion. This presents a great opportunity for companies operating in this market to capitalize on the growing demand and contribute towards a greener future.

Access sample report or view details: <https://www.knowledge-sourcing.com/report/global-thin-film-pv-module-market>

As a part of the report, the major players operating in the thin-film pv module market that have been covered are Solar Frontier Kabushiki Kaisha, United Solar Ovonic LLC, Soltecture Solartechnik GmbH, TS Solartech Sdn Bhd, NanoPV Solar Inc, SoloPower Systems, Inc., Hanergy Thin Film Power Group, Flisom Flexible Solar Modules, First Solar Inc., among others.

These companies are focusing on developing advanced technologies and expanding their production capacities to meet the growing demand for thin-film PV modules. The market is highly competitive, with companies investing in strategic partnerships and collaborations to gain a competitive edge.

The market analytics report segments the thin-film pv module market as follows:

- By Type
 - o Copper Indium Gallium Diselenide (CIGS)
 - o Amorphous Silicon (a-Si)
 - o Cadmium Telluride (CdTe)
- By Application
 - o Building Integrated PV
 - o Rooftop applications
 - o Utility-scale applications
- By Geography
 - North America
 - o United States
 - o Canada
 - o Mexico

- South America

- o Brazil
- o Argentina
- o Others

- Europe

- o Germany
- o France
- o UK
- o Spain`
- o Others

- Middle East and Africa

- o UAE
- o Saudi Arabia
- o Israel
- o Others

- Asia Pacific

- o China
- o India
- o Japan
- o South Korea
- o Thailand
- o Taiwan
- o Others

Companies Profiled:

- Solar Frontier Kabushiki Kaisha
- United Solar Ovonic LLC
- Solteature Solartechnik GmbH
- TS Solartech Sdn Bhd
- NanoPV Solar Inc
- SoloPower Systems, Inc.
- Hanergy Thin Film Power Group
- Flisom Flexible Solar Modules
- First Solar Inc.
- Ascent Solar Technologies, Inc.
- Antec Solar GmbH
- Toledo Solar Inc.

Reasons for Buying this Report:-

- **Insightful Analysis:** Gain detailed market insights covering major as well as emerging geographical regions, focusing on customer segments, government policies and socio-economic factors, consumer preferences, industry verticals, other sub-segments.
- **Competitive Landscape:** Understand the strategic maneuvers employed by key players globally to understand possible market penetration with the correct strategy.
- **Market Drivers & Future Trends:** Explore the dynamic factors and pivotal market trends and how they will shape future market developments.
- **Actionable Recommendations:** Utilize the insights to exercise strategic decision to uncover new business streams and revenues in a dynamic environment.
- **Caters to a Wide Audience:** Beneficial and cost-effective for startups, research institutions, consultants, SMEs, and large enterprises.

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Report Coverage:

- Historical data from 2022 to 2024 & forecast data from 2025 to 2030
- Growth Opportunities, Challenges, Supply Chain Outlook, Regulatory Framework, Customer Behaviour, and Trend Analysis
- Competitive Positioning, Strategies, and Market Share Analysis
- Revenue Growth and Forecast Assessment of segments and regions including countries
- Company Profiling (Strategies, Products, Financial Information, and Key Developments among others)

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Knowledge Sourcing Intelligence (KSI) is a market research and intelligence provider that uses a combination of quantitative and qualitative research techniques to deliver comprehensive, in-depth insights to clients. Our approach to market research is centered around the concept of 'Knowledge Sourcing' - the process of gathering data and insights from multiple sources to create a comprehensive and well-rounded picture of the market. KSI's core services include market intelligence, competitive intelligence, customer intelligence, and product intelligence. KSI's approach to market research is designed to help clients make informed decisions, identify opportunities, and gain a better understanding of their target markets. By using a combination of primary and secondary research techniques, we provide clients with detailed insights into current market trends, customer profiles, competitor analysis, and product performance. KSI's market research and intelligence services enable clients to make informed decisions, develop strategic plans, and identify areas of opportunity.

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