

United States Solar Panel Recycling Market Forecast 2023-2030

Market Report | 2023-10-28 | 143 pages | Inkwood Research

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Report description:

KEY FINDINGS

The United States solar panel recycling market is predicted to grow with a CAGR of 12.98% over the forecast years, 2023 to 2030. The country's market growth is credited to key drivers, such as the increasing focus on renewable energy infrastructure as well as the increase in associated regulations.

MARKET INSIGHTS

Although federal mandates regarding module waste management are currently absent in the United States, several regions are taking proactive steps to address this issue through state-level regulatory initiatives. Washington, for example, became the first state to enact a solar stewardship bill, compelling manufacturers to design and submit recycling plans for their end-of-life modules by January 2021. California and New York are also in the process of passing bills that hold manufacturers accountable for module waste and prohibit its disposal in landfills.

In 2019, North Carolina passed a bill that mandates the Environmental Management Commission to establish regulations for the end-of-life management of solar panels. A proposed bill is under consideration to ban the disposal of solar panels in landfills and require manufacturers to implement take-back programs.

Furthermore, the California Department of Toxic Substances Control is actively working to classify PV modules as 'universal waste,' which would streamline their collection, transportation, and recycling. New York is also considering a bill that would enforce a landfill ban and mandate solar panel manufacturers to provide collection and take-back programs. These state-level efforts are expected to increase the recycling of solar panels and, consequently, foster the growth of the market growth in the United States.

COMPETITIVE INSIGHTS

Leading companies operating in the market include First Solar Inc, ECS Refining, Canadian Solar Inc, Aurubis AG, etc.

Our report offerings include:

- Explore key findings of the overall market
- Strategic breakdown of market dynamics (Drivers, Restraints, Opportunities, Challenges)
- Market forecasts for a minimum of 9 years, along with 3 years of historical data for all segments, sub-segments, and regions
- Market Segmentation caters to a thorough assessment of key segments with their market estimations
- Geographical Analysis: Assessments of the mentioned regions and country-level segments with their market share
- Key analytics: Porter's Five Forces Analysis, Vendor Landscape, Opportunity Matrix, Key Buying Criteria, etc.

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- The competitive landscape is the theoretical explanation of the key companies based on factors, market share, etc.
- Company profiling: A detailed company overview, product/services offered, SCOT analysis, and recent strategic developments

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