

Solar Backsheet Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/SC478F240404EN.html>

Date: November 2023

Pages: 146

Price: US\$ 2,499.00 (Single User License)

ID: SC478F240404EN

Abstracts

The global solar backsheet market size reached US\$ 2.1 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 3.3 Billion by 2028, exhibiting a growth rate (CAGR) of 7.8% during 2022-2028.

A solar backsheet refers to the outermost layer of a photovoltaic (PV) unit used to protect and shield the internal peripherals of the solar module. Some of the commonly used solar backsheets include non-, single- and double-fluoropolymer backsheets that can be mounted on the roof, ground or floating power plants. These backsheets are usually manufactured using polymers or a combination of polymers and placed at the bottom of the solar panel. They are highly robust and exhibit high electrical insulation and protective properties against external impacts, dust, chemicals, sand, wind, extreme temperatures, moisture and ultraviolet (UV) radiations. They also offer various favorable mechanical, electrical, optical and chemical properties essential for the overall durability and safety of the photovoltaic modules.

Solar Backsheet Market Trends:

A significant increase in the number of solar panel installations across the globe represents one of the key factors driving the growth of the market. Furthermore, the implementation of favorable government policies promoting various solar energy projects is also stimulating the market growth. Due to the rising preference for sustainable energy resources and the increasing emphasis on utility-scale projects, there is an escalating demand for solar roof-tops with efficient backsheets across the residential, commercial and industrial sectors. This, in turn, is creating a positive outlook for the market. Additionally, various product innovations, such as the development of advanced fluoropolymer backsheets, are acting as other growth-inducing factors. These variants offer enhanced hydrolytic stability and resistance to extreme weather conditions. Other factors, including the increasing development of micro-grid networks

to meet the rising off-grid energy demands, along with extensive research and development (R&D) activities, are anticipated to drive the market further.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global solar backsheets market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on type, installation technique, thickness and application.

Breakup by Type:

Fluoropolymer

Non-Fluoropolymer

Breakup by Installation Technique:

Floating Power Plant

Ground Mounted

Roof Mounted

Breakup by Thickness:

Less than 100mm

100mm-500mm

More than 500mm

Breakup by Application:

Utility

Industrial

Commercial

Residential

Breakup by Region:

North America

United States

Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Vietnam

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Netherlands

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being 3M Company, Arkema S.A, Astenik Solar Inc., COVEME S.p.A. (MH & RE. S.p.A.), Dupont De Nemours Inc., KREMPEL GmbH, Targray Technology International Inc., Toray Industries Inc., Toyo Aluminium KK and ZTT International Limited (Jiangsu Zhongtian Technology Co. Ltd.).

Key Questions Answered in This Report

1. What was the size of the global solar backsheet market in 2022?
2. What is the expected growth rate of the global solar backsheet market during 2023-2028?
3. What are the key factors driving the global solar backsheet market?
4. What has been the impact of COVID-19 on the global solar backsheet market?
5. What is the breakup of the global solar backsheet market based on the type?
6. What is the breakup of the global solar backsheet market based on the installation technique?
7. What is the breakup of the global solar backsheet market based on the thickness?
8. What is the breakup of the global solar backsheet market based on the application?
9. What are the key regions in the global solar backsheet market?
10. Who are the key players/companies in the global solar backsheet market?

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