Entrepreneur India

106-E, Kamla Nagar, New Delhi-110007, India.
Tel: 91-11-23843955, +91 9097075054
Mobile: +91-9097075054
Email: npcs.ei@gmail.com, info@entrepreneurindia.co
Website: www.entrepreneurIndia.co



India Solar Glass Market

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Description

According to our study, the India’s solar glass market was valued at USD 833.25 million in 2022 and is expected to reach USD 5443.85 million by 2030, registering a CAGR of 26.53% in 2023-2030. The key factors for the growth of the market are the growing preference for renewable energy sources because of growing environmental concerns, and rapid increase in the development of renewable power to cope up with the increase in electricity demand.

The research report highlights the growth potential of the India’s solar glass market. Solar glass is expected to show enormous growth in the future market in India. However, reducing costs, and supply chain optimization remain crucial for the widespread adoption of solar glass. 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 solar glass market.

Solar Glass is a type of glass that converts solar energy into electricity using solar cells. It is installed on the roofs or façades of buildings to generate enough energy to power the entire structure. Solar cells are mounted between two glass panes with a specific resin filler in these glasses. Solar cells are firmly wrapped from all sides with these polymers.

Borosil Renewables Ltd, Asahi India Glass Limited, CSG Holding Limited, Gujarat Guardian Limited and others prominent players are the key players in the India Solar Glass market. These manufacturers account for about 16% of the total India’s solar glass market and rest of market share are occupied by importers from China, Europe, USA etc. Based on solar glass type, the photovoltaic glass captured the largest market share, 67.29%, in 2022 and is projected to reach USD 3594.58 million by 2030. Based on application, the solar energy segment accounted for the largest revenue share, 44.21%, in 2022 and is anticipated to generate USD 2320.06 million by 2030. In terms of installation, the patterned glass technology segment captured the largest revenue share, 57.92%, in 2022 and is estimated to generate USD 3092.19 million by 2030. Based on thickness, 3.2 mm segment accounted for the largest revenue share, 43.06%, in 2022 and is estimated to generate USD 2265.64 million by 2030.

Key Features:

The report on India’s solar glass 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 solar glass market. It may include historical data, market segmentation by solar glass type, by thickness, by application, by installation and by module.

Market Drivers and Challenges: The report can identify and analyse the factors driving the growth of the solar glass are the rising applications of solar glass in numerous

infrastructure development projects, supportive policies and initiatives of Indian government for solar plant installations, and surge in demand for solar glass in various end-user industries. It can also highlight the challenges faced by the industry, including high installation cost and lack of proper infrastructure.
Competitive Landscape: The research report provides analysis of the competitive landscape within the India's solar glass market. It includes profiles of key players, their market share, investment analysis, and product offerings. The report can also highlight emerging players and their potential impact on the market in next few years.
Technological Developments: The research report can delve into the latest technological developments in the solar glass industry. This include Panasonic Holdings Corporation developed a prototype for power-generating windows with Perovskite solar cells that can convert the facade into a renewable energy source, and India-based Deeptech solar startup Renkube is developing an AI-powered light harvesting glass that helps panels gather more sunlight and redirect it to solar cells to increase energy yield.
Indian Government Policies and Incentives: The research report analyze the impact of government policies and incentives on the solar glass market. This may include imposition of Basic Customs Duty (BCD), 2022, Notification of The Ministry of Finance Regrading Countervailing Duty Imposition on Solar Glass Imported from Malaysia, 2021, Notification for Extension of Anti-Dumping Duty on Chinese Solar Glass for 2 Years etc. 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 solar glass market.
Market Forecasts and Future Outlook: Based on the analysis conducted, the research report provide market forecasts and outlook for the solar glass industry in India. This includes projections of market size, growth rates, segmentation-wise growth rates, 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 solar glass market.
Market Segmentation:
Solar Glass market is segmented by solar glass type, by thickness, by application, by installation and by module. For the period 2022-2030, the growth among segments provides accurate calculations and forecasts for consumption value by solar glass type, by thickness, by application, by installation and by module. In terms of value.
Segmentation by Solar Glass Type
Photovoltaic Glass
AR Coated Glass
Tempered Glass

TCO Glass
Multifunctional Glass
Thermal Insulation Glass
UV and IR Radiation Glass
Others
Segmentation by Thickness
2 mm
2.5 mm
2.8 mm
3.2 mm
4 mm
Segmentation by Application
Building and Construction
Residential
Commercial
Automotive Industry
Solar Energy
Infrastructure
Others
Segmentation by Module
Thin Film Modules
PV Module
Monofacial
Bifacial
Segmentation by Installation
Float Glass Technology
Patterned Glass Technology
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.
Borosil Renewables Ltd
Asahi India Glass Limited
CSG Holding Limited
Gujarat Guardian Limited
Key Questions Addressed in this Report
What is the 7-Year Outlook for the India Solar Glass Market?
What Factors are Driving Solar Glass Market Growth in India?
Which Technologies are Poised for the Fastest Growth by Market?
How do Solar Glass Market Opportunities Vary by End User Industry?
How Does Solar Glass Break Out Solar Glass Type, Thickness, Application, Installation And Module?

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About Niir

NIIR Project Consultancy Services (NPCS) is a reliable name in the industrial world for offering integrated technical consultancy services. Its various services are: Pre-feasibility study, New Project Identification, Project Feasibility and Market Study, Identification of Profitable Industrial Project Opportunities, Preparation of Project Profiles and Pre-Investment and Pre-Feasibility Studies, Market Surveys and Studies, Preparation of Techno-Economic Feasibility Reports, Identification and Selection of Plant and Machinery, Manufacturing Process and/or Equipment required, General Guidance, Technical and Commercial Counseling for setting up new industrial projects and industry. NPCS also publishes various technology books, directories, databases, detailed project reports, market survey reports on various industries and profit making business. Besides being used by manufacturers, industrialists, and entrepreneurs, our publications are also used by Indian and overseas professionals including project engineers, information services bureaus, consultants and consultancy firms as one of

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