

India Solar Glass Market

Author: Ajay Kumar Gupta

Format: Paperback

ISBN: 9788195830480

Code: NI362

Pages: 135

Price: Rs. 200,600.00 **US\$** 4,000.00

Publisher: NIIR PROJECT CONSULTANCY SERVICES

Usually ships within **5** days

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 Renkuba 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?

Contents

1 Research Objective

Objective of the study

1.1 Product Overview

1.2 Market Scope

1.3 Analysis Period of the Study

1.4 Data Reporting Unit

1.5 Key Stakeholders

2 Research Methodology

2.1 Research Methodology

2.2 Regional Split of Primary & Secondary Research

2.3 Secondary Research

2.4 Primary Research

2.4.1 Breakdown of Primary Research Respondents, By Industry Participants

2.5 Market Size Estimation

2.6 Assumptions for the Study

3 Executive Summary

4 India Solar Glass Market Overview

4.1 India Solar Glass Market Size & Forecast

4.2 India Solar Glass Market Size & Share Forecast, By Solar Glass Type

4.3 India Solar Glass Market Size & Share Forecast, By Thickness

4.4 India Solar Glass Market Size & Share Forecast, By Application

4.5 India Solar Glass Market Size & Share Forecast, By Module

4.6 India Solar Glass Market Size & Share Forecast, By Installation

5 APAC Solar Glass Market Overview

5.1 APAC Solar Glass Market Size & Forecast

5.2 APAC Solar Glass Market Size & Share Forecast, By Technology

5.3 APAC Solar Glass Market Size & Share Forecast, By Application

5.4 APAC Solar Glass Market Size & Share Forecast, By Country

6 China Solar Glass Market Overview

6.1 APAC Solar Glass Market Size & Forecast

6.2 APAC Solar Glass Market Size & Share Forecast, By Technology

6.3 APAC Solar Glass Market Size & Share Forecast, By Application	
7 China Solar Glass Market Overview	
7.1 China Solar Glass Market Size & Forecast	
7.2 China Solar Glass Market Size & Share Forecast, By Technology	
7.3 China Solar Glass Market Size & Share Forecast, By Application	
8 Japan Solar Glass Market Overview	
8.1 Japan Solar Glass Market Size & Forecast	
8.2 Japan Solar Glass Market Size & Share Forecast, By Technology	
8.3 Japan Solar Glass Market Size & Share Forecast, By Application	
9 South Korea Solar Glass Market Overview	
9.1 South Korea Solar Glass Market Size & Forecast	
9.2 South Korea Solar Glass Market Size & Share Forecast, By Technology	
9.3 South Korea Solar Glass Market Size & Share Forecast, By Application	
10 Australia Solar Glass Market Overview	
10.1 Australia Solar Glass Market Size & Forecast	
10.2 Australia Solar Glass Market Size & Share Forecast, By Technology	
10.3 Australia Solar Glass Market Size & Share Forecast, By Application	
11 Indonesia Solar Glass Market Overview	
11.1 Indonesia Solar Glass Market Size & Forecast	
11.2 Indonesia Solar Glass Market Size & Share Forecast, By Technology	
11.3 Indonesia Solar Glass Market Size & Share Forecast, By Application	
12 Malaysia Solar Glass Market Overview	
12.1 Malaysia Solar Glass Market Size & Forecast	
12.2 Malaysia Solar Glass Market Size & Share Forecast, By Technology	
12.3 Malaysia Solar Glass Market Size & Share Forecast, By Application	
13 Vietnam Solar Glass Market Overview	
13.1 Vietnam Solar Glass Market Size & Forecast	
13.2 Vietnam Solar Glass Market Size & Share Forecast, By Technology	
13.3 Vietnam Solar Glass Market Size & Share Forecast, By Application	
14 Thailand Solar Glass Market Overview	
14.1 Thailand Solar Glass Market Size & Forecast	
14.2 Thailand Solar Glass Market Size & Share Forecast, By Technology	
14.3 Thailand Solar Glass Market Size & Share Forecast, By Application	
15 Singapore Solar Glass Market Overview	
15.1 Singapore Solar Glass Market Size & Forecast	
15.2 Singapore Solar Glass Market Size & Share Forecast, By Technology	
15.3 Singapore Solar Glass Market Size & Share Forecast, By Application	
16 Philippines Solar Glass Market Overview	
16.1 Philippines Solar Glass Market Size & Forecast	
16.2 Philippines Solar Glass Market Size & Share Forecast, By Technology	
16.3 Philippines Solar Glass Market Size & Share Forecast, By Application	
17 Rest of APAC Solar Glass Market Overview	83
17.1 Rest of APAC Solar Glass Market Size & Forecast	
17.2 Rest of APAC Solar Glass Market Size & Share Forecast, By Technology	
17.3 Rest of APAC Solar Glass Market Size & Share Forecast, By Application	
18 Market Dynamics	
18.1 Drivers	
18.1.1 Rising applications of solar glass in numerous infrastructure development projects	
18.1.2 Solar glass facades help in lowering power consumption	
18.2 Limitations	
18.2.1 Lack of proper infrastructure	
18.2.2 High installation cost	
18.3 Opportunities	

- 18.3.1 Supportive Policies and Initiatives of Indian Government for Solar Plant Installations
- 18.3.2 Surge in demand for solar glass in various end-user industries
- 18.4 Trends
 - 18.4.1 Increasing Demand for Green Building
- 18.5 Technological Landscape
- 18.6 Investment Analysis
- 18.7 Government Regulatory Framework and Policies for Solar Glass Market
- 18.8 Covid-19 Impact on India Solar Glass Market
- 18.9 Technological Trend Analysis for Solar Glass Thickness Reduction in The Indian Market
- 18.10 Detailed Overview of India Solar Glass Industry from Indian Government Perspective
- 18.11 Price Analysis of Solar Glass in India in (USD/Square Meter), 2021-2023
- 18.12 Price Analysis of Solar Glass in Asia Pacific Countries in (USD/Square Meter), 2023
- 18.13 Import-Export Analysis of Solar Glass in India
 - 18.13.1 Import (Value and Volume)
 - 18.13.2 Exports (Value and Volume)
- 18.14 Porter's Five Forces Analysis
- 18.15 Company Market Share Analysis, 2022
- 18.16 Export Analysis of Solar Glass/Products in Asia Pacific Countries from India
- 19 Competitive Landscape
 - 19.1 Company Profiles
 - 19.1 Borosil Renewables
 - 19.1.1 Business Overview
 - 19.1.2 Financial Overview (USD Million)
 - 19.1.3 Revenue by Geography, 2023
 - 19.1.4 Key Solar Glass Products
 - 19.1.5 Total Manufacturing Capacity of Solar Glass in Tons in 2023
 - 19.1.6 Projected Capacity in the Next Two Three Years (Tons)
 - 19.1.7 Recent Developments
 - 19.1.8 Key Personnel
 - 19.2 Asahi India Glass Limited
 - 19.2.1 Business Overview
 - 19.2.2 Financial Overview (USD Million)
 - 19.2.3 Revenue by Business Segment, 2023
 - 19.2.4 Revenue by Business Segment, 2023
 - 19.2.5 Key Solar Glass Products
 - 19.2.6 Total Manufacturing Capacity of Solar Glass in 2023
 - 19.2.7 Recent Developments
 - 19.2.8 Key Personnel
 - 19.3 CSG Holding Co., Ltd.
 - 19.3.1 Business Overview
 - 19.3.2 Group Financial Overview (USD Million)
 - 19.3.3 Revenue by Business Segment, 2023
 - 19.3.4 Revenue by Region, 2023
 - 19.3.5 Key Solar Glass Products
 - 19.3.6 Total Manufacturing Capacity of Solar Glass in Tons in 2023
 - 19.3.7 Recent Developments
 - 19.3.8 Key Personnel
 - 19.4 Gujarat Guardian Ltd
 - 19.4.1 Business Overview
 - 19.4.2 Financial Overview (USD Million)
 - 19.4.3 Key Solar Glass Products
 - 19.4.4 Recent Developments
 - 19.4.5 Key Personnel

About NIIR

NIIR PROJECT CONSULTANCY SERVICES (NPCS) is a reliable name in the industrial world for offering integrated technical consultancy services. NPCS is manned by engineers, planners, specialists, financial experts, economic analysts and design specialists with extensive experience in the related industries.

Our various services are: Detailed Project Report, Business Plan for Manufacturing Plant, Start-up Ideas, Business Ideas for Entrepreneurs, Start up Business Opportunities, entrepreneurship projects, Successful Business Plan, Industry Trends, Market Research, Manufacturing Process, Machinery, Raw Materials, project report, Cost and Revenue, Pre-feasibility study for Profitable Manufacturing Business, Project Identification, Project Feasibility and Market Study, Identification of Profitable Industrial Project Opportunities, Business Opportunities, Investment Opportunities for Most Profitable Business in India, Manufacturing Business Ideas, Preparation of Project Profile, Pre-Investment and Pre-Feasibility Study, Market Research Study, Preparation of Techno-Economic Feasibility Report, Identification and Section of Plant, Process, Equipment, General Guidance, Startup Help, Technical and Commercial Counseling for setting up new industrial project and Most Profitable Small Scale Business.

NPCS also publishes various process technology, technical, reference, self employment and startup books, directory, business and industry database, bankable detailed project report, market research report on various industries, small scale industry and profit making business. Besides being used by manufacturers, industrialists and entrepreneurs, our publications are also used by professionals including project engineers, information services bureau, consultants and project consultancy firms as one of the input in their research.

Our Detailed Project report aims at providing all the critical data required by any entrepreneur vying to venture into Project. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line.

NIIR PROJECT CONSULTANCY SERVICES , 106-E, Kamla Nagar, New Delhi-110007, India. **Email:** npcs.india@gmail.com **Website:** NIIR.org

Sun, 28 Apr 2024 12:43:24 +0530