

# Global Solar Photovoltaic Glass Market: Size, Trend & Forecast with Impact of COVID-19 (2021-2025)

<https://marketpublishers.com/r/G56374D7D096EN.html>

Date: September 2021

Pages: 96

Price: US\$ 950.00 (Single User License)

ID: G56374D7D096EN

## Abstracts

The report titled “Global Solar Photovoltaic Glass Market: Size, Trend & Forecast with Impact of COVID-19 (2021-2025)”, provides an in-depth analysis of the global solar PV glass market by value, by application, by region, by end-users, etc. The report provides a regional analysis of the solar PV glass market, including the following regions: the Asia Pacific, North America (the US and Rest of North America), Europe, Latin America, and the Middle East & Africa. The report also provides a detailed analysis of the COVID-19 impact on the solar glass market.

The report also assesses the key opportunities in the market and outlines the factors that are and will be driving the growth of the industry. Growth of the overall global solar PV glass market has also been forecasted for the period 2021-2025, taking into consideration the previous growth patterns, the growth drivers, and the current and future trends.

The global solar PV glass market is dominated by few major players. The manufacturers of solar glass produce different types of products to cater to the needs of various sectors. The key players of the solar PV glass market are Xinyi Solar Holdings Limited, CSG Holdings Co., Siseecam, and AGC Inc. are also profiled with their financial information and respective business strategies.

## Regional Coverage

North America

Europe

Asia Pacific

Latin America

Middle East & Africa

## Company Coverage

Xinyi Solar Holdings Limited

CSG Holdings Co., Ltd

Sisecam

AGC Inc.

## Executive Summary

Solar glass is a heat-reflective, oxide-coated glass that allows sunlight to flow through while reflecting and radiating a significant amount of heat. Solar glass is feasible because it is double glazed, which makes it insulates efficiently. As compared to standard glass, this keeps the interior of a home or workplace substantially cooler while still allowing natural light to enter. It is a low-energy device.

The global solar PV glass market can be segmented based on product type (AR Coated Glass, Tempered Glass, TCO Glass, and Others); application (Residential, Non-Residential, and Utility); and End-Users (Crystalline Silicon Cells, and Thin-Film).

As a result of the COVID-19 outbreak, the global PV solar glass industry has witnessed a downward trend in the short term because of the overall slowdown in the construction sector, supply chain problems and delays in solar glass projects, and import-export restrictions in the first half of 2020. It has invariably hampered the growth of the global solar PV glass industry. The industry has come back to normal in the second half of 2020 owing to increasing government policy support and solar energy investments as part of the recovery plan of several nations. The latest advancement and growing sustainability awareness have bolstered support for the future development of solar technology and have increased the importance of solar power in the energy mix of

different countries.

The global solar PV glass market has increased significantly during the years 2016-2020 and projections are made that the market would rise in the next four years i.e. 2021-2025 tremendously. The global solar PV glass market is expected to increase due to growing industrial activities, increasing demand for photovoltaic power, increasing global warming, rapid urbanization, etc. Yet the market faces some challenges such as high cost initial and installation cost involved, weaker than expected solar demand, etc.

## Contents

### 1. EXECUTIVE SUMMARY

### 2. INTRODUCTION

- 2.1 Solar Photovoltaic Glass: An Overview
  - 2.1.1 Solar Photovoltaic Glass Definition
  - 2.1.2 Advantages of Solar Photovoltaic Glass
  - 2.1.3 Disadvantages of Solar PV Glass
- 2.2 Solar Photovoltaic Glass Production Process
- 2.3 Solar Photovoltaic Glass Segmentation: An Overview

### 3. GLOBAL MARKET ANALYSIS

- 3.1 Global Solar Photovoltaic Glass Market: An Analysis
  - 3.1.1 Global Solar Photovoltaic Glass Market by Value
  - 3.1.2 Global Solar Photovoltaic Glass Market by Application (Residential, Non-Residential, Utility)
  - 3.1.3 Global Solar Photovoltaic Glass Market by Type (Crystalline Silicon Cell, Thin Film)
  - 3.1.4 Global Solar Photovoltaic Glass Market by Region (Asia Pacific, North America, Europe, Latin America, Middle East & Africa)
- 3.2 Global Solar Photovoltaic Glass Market: Application Analysis
  - 3.2.1 Global Residential Solar Photovoltaic Glass Market by Value
  - 3.2.2 Global Non-Residential Solar Photovoltaic Glass Market by Value
  - 3.2.3 Global Utility Solar Photovoltaic Glass Market by Value
- 3.3 Global Solar Photovoltaic Glass Market: Type Analysis
  - 3.3.1 Global Crystalline Silicon Cell Market by Value
  - 3.3.2 Global Thin-Film Market by Value

### 4. REGIONAL MARKET ANALYSIS

- 4.1 Asia Pacific Solar Photovoltaic Glass Market: An Analysis
  - 4.1.1 Asia Pacific Solar Photovoltaic Glass Market by Value
- 4.2 North America Solar Photovoltaic Glass Market: An Analysis
  - 4.2.1 North America Solar Photovoltaic Glass Market by Value
  - 4.2.2 North America Solar Photovoltaic Glass Market by Region (The US and Rest of the North America)

- 4.2.3 The U.S. Solar Photovoltaic Glass Market by Value
- 4.2.4 The U.S. Solar Photovoltaic Glass Market by Application (Residential, Non-Residential, Utility)
- 4.2.5 The U.S. Residential Solar Photovoltaic Glass Market by Value
- 4.2.6 The U.S. Non-Residential Solar Photovoltaic Glass Market by Value
- 4.2.7 The U.S. Utility Solar Photovoltaic Glass Market by Value
- 4.2.8 Rest of North America Solar Photovoltaic Glass Market by Value
- 4.3 Europe Solar Photovoltaic Glass Market: An Analysis
  - 4.3.1 Europe Solar Photovoltaic Glass Market by Value
- 4.4 Latin-America Solar Photovoltaic Glass Market: An Analysis
  - 4.4.1 Latin America Solar Photovoltaic Glass Market by Value
- 4.5 Middle East & Africa Solar Photovoltaic Glass Market: An Analysis
  - 4.5.1 Middle East & Africa Solar Photovoltaic Glass Market by Value

## **5. IMPACT OF COVID-19**

- 5.1 Impact of COVID-19 on Glass Industry
- 5.2 Impact of COVID-19 on Automobile Sales
- 5.3 Impact of COVID-19 on Construction Industry
- 5.4 Impact of COVID-19 on Solar PV Glass Prices

## **6. MARKET DYNAMICS**

- 6.1 Growth Drivers
  - 6.1.1 Increased Demand of Photovoltaic Power
  - 6.1.2 Rapid Industrialization
  - 6.1.3 Rising Global Warming
  - 6.1.4 Decline in Solar Generated Electricity Prices
  - 6.1.5 Increasing Urbanization
  - 6.1.6 Favorable Policies
- 6.2 Challenges
  - 6.2.1 High Initial and Installation Cost
  - 6.2.2 Weaker Than Expected Solar Demand
- 6.3 Market Trends
  - 6.3.1 Development of Off-Grid Electricity Systems
  - 6.3.2 Growing Demand across the Residential Sector
  - 6.3.3 Growing Preference for Bifacial Modules

## **7. COMPETITIVE LANDSCAPE**

- 7.1 Global Solar Photovoltaic Glass Market Players: A Financial Comparison
- 7.2 Global Solar Photovoltaic Glass Market Players by Research & Development (R&D) Expenses

## **8. COMPANY PROFILES**

- 8.1 Xinyi Solar Holdings Ltd
  - 8.1.1 Business Overview
  - 8.1.2 Financial Overview
  - 8.1.3 Business Strategies
- 8.2 CSG Holdings Co., Ltd
  - 8.2.1 Business Overview
  - 8.2.2 Financial Overview
  - 8.2.3 Business Strategies
- 8.3 Sisecam
  - 8.3.1 Business Overview
  - 8.3.2 Financial Overview
  - 8.3.3 Business Strategies
- 8.4 AGC Inc.
  - 8.4.1 Business Overview
  - 8.4.2 Financial Overview
  - 8.4.3 Business Strategies

## **LIST OF FIGURES**

- Figure 1: Advantages of Solar PV Glass
- Figure 2: Disadvantages of Solar PV Glass
- Figure 3: Solar PV Glass Production Process
- Figure 4: Solar Photovoltaic Glass Segmentation
- Figure 5: Global Solar Photovoltaic Glass Market by Value; 2016-2020 (US\$ Billion)
- Figure 6: Global Solar Photovoltaic Glass Market by Value; 2021-2025 (US\$ Billion)
- Figure 7: Global Solar PV Glass Market by Application; 2020 (Percentage, %)
- Figure 8: Global Solar PV Glass Market by Type; 2020 (Percentage, %)
- Figure 9: Global Solar PV Glass Market by Region; 2020 (Percentage, %)
- Figure 10: Global Residential Solar PV Glass Market by Value; 2016-2020 (US\$ Billion)
- Figure 11: Global Residential Solar PV Glass Market by Value; 2021-2025 (US\$ Billion)
- Figure 12: Global Non-Residential Solar PV Glass Market by Value; 2016-2020 (US\$ Billion)

Figure 13: Global Non-Residential Solar PV Glass Market by Value; 2021-2025 (US\$ Billion)

Figure 14: Global Utility Solar PV Glass Market by Value; 2016-2020 (US\$ Billion)

Figure 15: Global Utility Solar PV Glass Market by Value; 2021-2025 (US\$ Billion)

Figure 16: Global Crystalline Silicon Cell Market by Value; 2016-2020 (US\$ Billion)

Figure 17: Global Crystalline Silicon Cell Market by Value; 2021-2025 (US\$ Billion)

Figure 18: Global Thin-Film Market by Value; 2016-2020 (US\$ Million)

Figure 19: Global Thin-Film Market by Value; 2021-2025 (US\$ Billion)

Figure 20: Asia Pacific Solar PV Glass Market by Value; 2018-2020 (US\$ Billion)

Figure 21: Asia Pacific Solar PV Glass Market by Value; 2021-2025 (US\$ Billion)

Figure 22: North America Solar PV Glass Market by Value; 2018-2020 (US\$ Billion)

Figure 23: North America Solar PV Glass Market by Value; 2021-2025 (US\$ Billion)

Figure 24: North America Solar PV Glass Market by Region; 2020 (Percentage, %)

Figure 25: The US Solar PV Glass Market by Value; 2018-2020 (US\$ Billion)

Figure 26: The US Solar PV Glass Market by Value; 2021-2025 (US\$ Billion)

Figure 27: The US Solar PV glass market by Application; 2020 (Percentage, %)

Figure 28: The US Residential Solar Photovoltaic Glass Market by Value; 2018-2020(US\$ Million)

Figure 29: The US Residential Solar Photovoltaic Glass Market by Value; 2021-2025 (US\$ Billion)

Figure 30: The US Non-Residential Solar Photovoltaic Glass Market by Value; 2018-2020 (US\$ Million)

Figure 31: The US Non-Residential Solar Photovoltaic Glass Market by Value; 2021-2025 (US\$ Billion)

Figure 32: The US Utility Solar Photovoltaic Glass Market by Value; 2018-2020 (US\$ Million)

Figure 33: The US Utility Solar Photovoltaic Glass Market by Value; 2021-2025 (US\$ Billion)

Figure 34: Rest of North America Solar Photovoltaic Glass Market by Value; 2018-2020 (US\$ Million)

Figure 35: Rest of North America Solar Photovoltaic Glass Market by Value; 2021-2025 (US\$ Billion)

Figure 36: Europe Solar Photovoltaic Glass Market by Value; 2018-2020 (US\$ Million)

Figure 37: Europe Solar Photovoltaic Glass Market by Value; 2020-2025 (US\$ Billion)

Figure 38: Latin America Solar Photovoltaic Glass Market by Value; 2018-2020 (US\$ Million)

Figure 39: Latin America Solar Photovoltaic Glass Market by Value; 2021-2025 (US\$ Billion)

Figure 40: Middle East & Africa Solar Photovoltaic Glass Market by Value; 2018-2020



(US\$ Million)

Figure 41: Middle East & Africa Solar Photovoltaic Glass Market by Value; 2021-2025

(US\$ Million)

Figure 42: Impact of COVID-19 on Major Regions Car Sales; 2019-2020 (Million)

Figure 43: Impact of COVID-19 on China's Construction Enterprises; 2020

(Percentage, %)

Figure 44: Impact of COVID-19 on Solar Glass Prices; 2020

Figure 45: Global Demand of Solar Photovoltaic Power; 2015-2020 (Gig watts)

Figure 46: The US Industrial Production; 2010-2019

Figure 47: Carbon Dioxide Emissions from Global Fossil Fuel Combustion and Industrial Processes; 1970-2019 (Billion Metric Tons)

Figure 48: Prices of Electricity from Different Sources; 2009-2019(US\$/Megawatt hour)

Figure 49: Global Urban Population; 2011-2020 (Percentage, %)

Figure 50: Global Solar PV Glass Market Players by Research & Development (R&D) Expenses; 2018-2020 (US\$ Million)

Figure 51: Xinyi Solar Holding Ltd Revenue; 2016-2020 (US\$ Billion)

Figure 52: Xinyi Solar Holding Ltd Revenue by Segment; 2020 (Percentage, %)

Figure 53: Xinyi Solar Holding Ltd Revenue by Region; 2020 (Percentage, %)

Figure 54: CSG Holdings Co Ltd Revenue; 2017-2020 (US\$ Billion)

Figure 55: CSG Holdings Co Ltd Revenue by Product; 2020 (Percentage, %)

Figure 56: CSG Holdings Co Ltd Revenue by Region; 2020 (Percentage, %)

Figure 57: Sisecam Revenue; 2017-2020 (US\$ Billion)

Figure 58: Sisecam Revenue by Segment; 2020 (Percentage, %)

Figure 59: Sisecam Revenue by Region; 2020 (Percentage, %)

Figure 60: AGC Inc. Net Sales; 2016-2020 (US\$ Billion)

Figure 61: AGC Inc. Net Sales by Segment; 2020 (Percentage, %)

Figure 62: AGC Inc. Net Sales by Region; 2020 (Percentage, %)

Table 1: Global Solar PV Glass Market Players: A Financial Comparison; 2020



## I would like to order

Product name: Global Solar Photovoltaic Glass Market: Size, Trend & Forecast with Impact of COVID-19 (2021-2025)

Product link: <https://marketpublishers.com/r/G56374D7D096EN.html>

Price: US\$ 950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G56374D7D096EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

