Building integrated photovoltaic or BIPV modules are essentially panes of glass with photovoltaic cells embedded between two sheets of glass. Used for making roofs, skylights, facades, spandrels, and curtain walls of buildings, BIPV glass is ideal for making those parts of a construction which do not require a high degree of transparency, such as an atrium roof. Various advance technology such as thin-film PV, OPV and DSC offers light weight and flexible BIPV glass. BIPV glass allows the entry of natural light and provides both thermal and sound insulation. It filters out harmful radiation and produces clean and free energy. Along with the conventional roles of providing protection from noise and rain, BIPV glass facilitates electricity generation and offers light and thermal management, effective shading, and glare protection.

Increasing awareness about the reduction of carbon footprint is positively impacting the growth of the global BIPV glass market. People are moving towards electricity generation through renewable and conventional sources at lower cost, this, in turn, is expected the boost the global market in near future. The construction sector accommodates the largest market share in the global BIPV glass market. BIPV modules are extensively used in the construction of commercial buildings, educational, corporate, residential buildings, hospitals, retail outlets, and hotels, which drives the demand for BIPV glass in the market. Rising investments in the architectural segment are also anticipated to propel the growth of the global market. Asia Pacific accommodated for the highest market share in BIPV glass market owing to higher investments in the construction sector. Increasing disposable income and changing lifestyle are anticipated to further boost the growth of the global market. North America is the second highest regional segment due to changing demand of buyers for more attractive construction, which is expected to fuel the market in the near future. Moreover, the U.S. holds for the largest market chunk in the BIPV glass market. Exponential growth in Europe for zero-net energy buildings is positively impacting the global market growth. The government initiatives in North America are anticipated to foster the BIPV glass market in the coming years.

Global BIPV Glass market size will increase to xx Million US$ by 2025, from xx Million US$ in 2018, at a CAGR of xx% during the forecast period. In this study, 2018 has been considered as the base year and 2019 to 2025 as the forecast period to estimate the market size for BIPV Glass.

This report researches the worldwide BIPV Glass market size (value, capacity, production and consumption) in key regions like United States, Europe, Asia Pacific (China, Japan) and other regions. This study categorizes the global BIPV Glass breakdown data by manufacturers, region, type and application, also analyzes the market status, market share, growth rate, future trends, market drivers, opportunities and challenges, risks and entry barriers, sales channels, distributors and Porter's Five Forces Analysis.

The following manufacturers are covered in this report:
- Asahi Glass
- Onyx Solar
- Canadian Solar
- Hanergy
- Hanwha Solar One
- DuPont
- Onyx Solar
- Solar Frontier Pilkington
- Power Film
- BIPV Glass Breakdown Data by Type
- Crystalline Silicon
- Amorphous Silicon
- Organic Photovoltaic Cell (OPV)
- Dye Sensitized Solar Cell (DSSC)
- Others
- BIPV Glass Breakdown Data by Application
- Residential
- Commercial
- BIPV Glass Production Breakdown Data by Region
- United States
- China
- Japan
- Other Regions
- BIPV Glass Consumption Breakdown Data by Region
- North America
- United States
- Canada
- Mexico
- Asia-Pacific
- China
- India
- Japan
- South Korea
- Australia
- Indonesia
- Malaysia
The study objectives are:
To analyze and research the global BIPV Glass capacity, production, value, consumption, status and forecast;
To focus on the key BIPV Glass manufacturers and study the capacity, production, value, market share and development plans in next few years.
To focus on the global key manufacturers, to define, describe and analyze the market competition landscape, SWOT analysis.
To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints and risks.
To identify significant trends and factors driving or inhibiting the market growth.
To analyze the opportunities in the market for stakeholders by identifying the high growth segments.
To strategically analyze each submarket with respect to individual growth trend and their contribution to the market.
To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.
To strategically profile the key players and comprehensively analyze their growth strategies.

In this study, the years considered to estimate the market size of BIPV Glass:
History Year: 2014-2018
Base Year: 2018
Estimated Year: 2019
Forecast Year 2019 to 2025

For the data information by region, company, type and application, 2018 is considered as the base year. Whenever data information was unavailable for the base year, the prior year has been considered.

Contents:

Table of Contents

1 Study Coverage
   ● 1.1 BIPV Glass Product
   ● 1.2 Key Market Segments in This Study
   ● 1.3 Key Manufacturers Covered
   ● 1.4 Market by Type
      ○ 1.4.1 Global BIPV Glass Market Size Growth Rate by Type
      ○ 1.4.2 Crystalline Silicon
      ○ 1.4.3 Amorphous Silicon
      ○ 1.4.4 Organic Photovoltaic Cell (OPV)
      ○ 1.4.5 Dye Sensitized Solar Cell (DSSC)
      ○ 1.4.6 Others
   ● 1.5 Market by Application
      ○ 1.5.1 Global BIPV Glass Market Size Growth Rate by Application
      ○ 1.5.2 Residential
      ○ 1.5.3 Commercial
   ● 1.6 Study Objectives
   ● 1.7 Years Considered

2 Executive Summary
   ● 2.1 Global BIPV Glass Production
      ○ 2.1.1 Global BIPV Glass Revenue 2014-2025
      ○ 2.1.2 Global BIPV Glass Production 2014-2025
      ○ 2.1.3 Global BIPV Glass Capacity 2014-2025
      ○ 2.1.4 Global BIPV Glass Marketing Pricing and Trends
   ● 2.2 BIPV Glass Growth Rate (CAGR) 2019-2025
   ● 2.3 Analysis of Competitive Landscape
      ○ 2.3.1 Manufacturers Market Concentration Ratio (CR5 and HHI)
      ○ 2.3.2 Key BIPV Glass Manufacturers
   ● 2.4 Market Drivers, Trends and Issues
   ● 2.5 Macroscopic Indicator
      ○ 2.5.1 GDP for Major Regions
      ○ 2.5.2 Price of Raw Materials in Dollars: Evolution

3 Market Size by Manufacturers
   ● 3.1 BIPV Glass Production by Manufacturers
      ○ 3.1.1 BIPV Glass Production by Manufacturers
      ○ 3.1.2 BIPV Glass Production Market Share by Manufacturers
   ● 3.2 BIPV Glass Revenue by Manufacturers
      ○ 3.2.1 BIPV Glass Revenue by Manufacturers (2014-2019)
      ○ 3.2.2 BIPV Glass Revenue Share by Manufacturers (2014-2019)
4 BIPV Glass Production by Regions

- 4.1 Global BIPV Glass Production by Regions
  - 4.1.1 Global BIPV Glass Production Market Share by Regions
  - 4.1.2 Global BIPV Glass Revenue Market Share by Regions
- 4.2 United States
  - 4.2.1 United States BIPV Glass Production
  - 4.2.2 United States BIPV Glass Revenue
  - 4.2.3 Key Players in United States
  - 4.2.4 United States BIPV Glass Import & Export
- 4.3 Europe
  - 4.3.1 Europe BIPV Glass Production
  - 4.3.2 Europe BIPV Glass Revenue
  - 4.3.3 Key Players in Europe
  - 4.3.4 Europe BIPV Glass Import & Export
- 4.4 China
  - 4.4.1 China BIPV Glass Production
  - 4.4.2 China BIPV Glass Revenue
  - 4.4.3 Key Players in China
  - 4.4.4 China BIPV Glass Import & Export
- 4.5 Japan
  - 4.5.1 Japan BIPV Glass Production
  - 4.5.2 Japan BIPV Glass Revenue
  - 4.5.3 Key Players in Japan
  - 4.5.4 Japan BIPV Glass Import & Export
- 4.6 Other Regions
  - 4.6.1 South Korea
  - 4.6.2 India
  - 4.6.3 Southeast Asia

5 BIPV Glass Consumption by Regions

- 5.1 Global BIPV Glass Consumption by Regions
  - 5.1.1 Global BIPV Glass Consumption by Regions
  - 5.1.2 Global BIPV Glass Consumption Market Share by Regions
- 5.2 North America
  - 5.2.1 North America BIPV Glass Consumption by Application
  - 5.2.2 North America BIPV Glass Consumption by Countries
  - 5.2.3 United States
  - 5.2.4 Canada
  - 5.2.5 Mexico
- 5.3 Europe
  - 5.3.1 Europe BIPV Glass Consumption by Application
  - 5.3.2 Europe BIPV Glass Consumption by Countries
  - 5.3.3 Germany
  - 5.3.4 France
  - 5.3.5 UK
  - 5.3.6 Italy
  - 5.3.7 Russia
- 5.4 Asia Pacific
  - 5.4.1 Asia Pacific BIPV Glass Consumption by Application
  - 5.4.2 Asia Pacific BIPV Glass Consumption by Countries
  - 5.4.3 China
  - 5.4.4 Japan
  - 5.4.5 South Korea
  - 5.4.6 India
  - 5.4.7 Australia
  - 5.4.8 Indonesia
  - 5.4.9 Thailand
  - 5.4.10 Malaysia
  - 5.4.11 Philippines
  - 5.4.12 Vietnam
- 5.5 Central & South America
  - 5.5.1 Central & South America BIPV Glass Consumption by Application
  - 5.5.2 Central & South America BIPV Glass Consumption by Countries
  - 5.5.3 Brazil
- 5.6 Middle East and Africa
  - 5.6.1 Middle East and Africa BIPV Glass Consumption by Application
  - 5.6.2 Middle East and Africa BIPV Glass Consumption by Countries
  - 5.6.3 Turkey
  - 5.6.4 GCC Countries
  - 5.6.5 Egypt
  - 5.6.6 South Africa

6 Market Size by Type

- 6.1 Global BIPV Glass Breakdown Data by Type
- 6.2 Global BIPV Glass Revenue by Type
- 6.3 BIPV Glass Price by Type

7 Market Size by Application

- 7.1 Overview
- 7.2 Global BIPV Glass Breakdown Data by Application
  - 7.2.1 Global BIPV Glass Consumption by Application

8 Manufacturers Profiles
8.1 Asahi Glass
   8.1.1 Asahi Glass Company Details
   8.1.2 Company Description
   8.1.3 Capacity, Production and Value of BIPV Glass
   8.1.4 BIPV Glass Product Description
   8.1.5 SWOT Analysis

8.2 Onyx Solar
   8.2.1 Onyx Solar Company Details
   8.2.2 Company Description
   8.2.3 Capacity, Production and Value of BIPV Glass
   8.2.4 BIPV Glass Product Description
   8.2.5 SWOT Analysis

8.3 Canadian Solar
   8.3.1 Canadian Solar Company Details
   8.3.2 Company Description
   8.3.3 Capacity, Production and Value of BIPV Glass
   8.3.4 BIPV Glass Product Description
   8.3.5 SWOT Analysis

8.4 Hanergy
   8.4.1 Hanergy Company Details
   8.4.2 Company Description
   8.4.3 Capacity, Production and Value of BIPV Glass
   8.4.4 BIPV Glass Product Description
   8.4.5 SWOT Analysis

8.5 Hanwha Solar One
   8.5.1 Hanwha Solar One Company Details
   8.5.2 Company Description
   8.5.3 Capacity, Production and Value of BIPV Glass
   8.5.4 BIPV Glass Product Description
   8.5.5 SWOT Analysis

8.6 DuPont
   8.6.1 DuPont Company Details
   8.6.2 Company Description
   8.6.3 Capacity, Production and Value of BIPV Glass
   8.6.4 BIPV Glass Product Description
   8.6.5 SWOT Analysis

8.7 Onyx Solar
   8.7.1 Onyx Solar Company Details
   8.7.2 Company Description
   8.7.3 Capacity, Production and Value of BIPV Glass
   8.7.4 BIPV Glass Product Description
   8.7.5 SWOT Analysis

8.8 Solar Frontier Pilkington
   8.8.1 Solar Frontier Pilkington Company Details
   8.8.2 Company Description
   8.8.3 Capacity, Production and Value of BIPV Glass
   8.8.4 BIPV Glass Product Description
   8.8.5 SWOT Analysis

8.9 Power Film
   8.9.1 Power Film Company Details
   8.9.2 Company Description
   8.9.3 Capacity, Production and Value of BIPV Glass
   8.9.4 BIPV Glass Product Description
   8.9.5 SWOT Analysis

9 Production Forecasts
   9.1 BIPV Glass Production and Revenue Forecast
      9.1.1 Global BIPV Glass Production Forecast 2019-2025
      9.1.2 Global BIPV Glass Revenue Forecast 2019-2025

9.2 BIPV Glass Production and Revenue Forecast by Regions
   9.2.1 Global BIPV Glass Revenue Forecast by Regions
   9.2.2 Global BIPV Glass Production Forecast by Regions

9.3 BIPV Glass Key Producers Forecast
   9.3.1 United States
   9.3.2 Europe
   9.3.3 China
   9.3.4 Japan

9.4 Forecast by Type
   9.4.1 Global BIPV Glass Production Forecast by Type
   9.4.2 Global BIPV Glass Revenue Forecast by Type

10 Consumption Forecast
   10.1 Consumption Forecast by Application
   10.2 BIPV Glass Consumption Forecast by Regions
   10.3 North America Market Consumption Forecast
      10.3.1 North America BIPV Glass Consumption Forecast by Countries 2019-2025
      10.3.2 United States
      10.3.3 Canada
      10.3.4 Mexico

10.4 Europe Market Consumption Forecast
   10.4.1 Europe BIPV Glass Consumption Forecast by Countries 2019-2025
   10.4.2 Germany
   10.4.3 France
   10.4.4 UK
   10.4.5 Italy
   10.4.6 Russia

10.5 Asia Pacific Market Consumption Forecast
10.5.1 Asia Pacific BIPV Glass Consumption Forecast by Countries 2019-2025
  - 10.5.2 China
  - 10.5.3 Japan
  - 10.5.4 Korea
  - 10.5.5 India
  - 10.5.6 Australia
  - 10.5.7 Indonesia
  - 10.5.8 Thailand
  - 10.5.9 Malaysia
  - 10.5.10 Philippines
  - 10.5.11 Vietnam

10.6 Central & South America Market Consumption Forecast
  - 10.6.1 Central & South America BIPV Glass Consumption Forecast by Country 2019-2025
  - 10.6.2 Brazil

10.7 Middle East and Africa Market Consumption Forecast
  - 10.7.1 Middle East and Africa BIPV Glass Consumption Forecast by Countries 2019-2025
  - 10.7.2 Middle East and Africa
  - 10.7.3 Turkey
  - 10.7.4 GCC Countries
  - 10.7.5 Egypt
  - 10.7.6 South Africa

11 Upstream, Industry Chain and Downstream Customers Analysis
  - 11.1 Analysis of BIPV Glass Upstream Market
    - 11.1.1 BIPV Glass Key Raw Material
    - 11.1.2 Typical Suppliers of Key BIPV Glass Raw Material
    - 11.1.3 BIPV Glass Raw Material Market Concentration Rate
  - 11.2 BIPV Glass Industry Chain Analysis
  - 11.3 Marketing & Distribution
  - 11.4 BIPV Glass Distributors
  - 11.5 BIPV Glass Customers

12 Opportunities & Challenges, Threat and Affecting Factors
  - 12.1 Market Opportunities
  - 12.2 Market Challenges
  - 12.3 Porter's Five Forces Analysis

13 Key Findings

14 Appendix
  - 14.1 Research Methodology
    - 14.1.1 Methodology/Research Approach
    - 14.1.2 Data Source
  - 14.2 Author Details