

Global Building Integrated Photovoltaics (BIPV) Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/G991DD579E3EN.html>

Date: January 2024

Pages: 154

Price: US\$ 3,480.00 (Single User License)

ID: G991DD579E3EN

Abstracts

According to our (Global Info Research) latest study, the global Building Integrated Photovoltaics (BIPV) market size was valued at USD 8251.2 million in 2023 and is forecast to a readjusted size of USD 10600 million by 2030 with a CAGR of 3.6% during review period.

Building integrated photovoltaics (BIPV) are photovoltaic materials that are used to replace conventional building materials in parts of the building envelope such as the roof, skylights, or facades. They are increasingly being incorporated into the construction of new buildings as a principal or ancillary source of electrical power, although existing buildings may be retrofitted with similar technology. The advantage of integrated photovoltaics over more common non-integrated systems is that the initial cost can be offset by reducing the amount spent on building materials and labor that would normally be used to construct the part of the building that the BIPV modules replace. These advantages make BIPV one of the fastest growing segments of the photovoltaic industry.

Global Building Integrated Photovoltaics (BIPV) key players include Canadian Solar, SunPower, Hanwha Solar, Jinko Solar, Solar Frontier, etc. Global top five manufacturers hold a share about 25%. Asia Pacific is the largest market, with a share about 50%, followed by Europe, with a share about 30 percent. In terms of product, Polycrystalline Silicon is the largest segment, with a share about 60%. And in terms of application, the largest application is Commercial, followed by Residential, etc.

The Global Info Research report includes an overview of the development of the Building Integrated Photovoltaics (BIPV) industry chain, the market status of Residential

(Single Crystal Silicon, Polycrystalline Silicon), Commercial (Single Crystal Silicon, Polycrystalline Silicon), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Building Integrated Photovoltaics (BIPV).

Regionally, the report analyzes the Building Integrated Photovoltaics (BIPV) markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Building Integrated Photovoltaics (BIPV) market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Building Integrated Photovoltaics (BIPV) market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Building Integrated Photovoltaics (BIPV) industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (MW), revenue generated, and market share of different by Type (e.g., Single Crystal Silicon, Polycrystalline Silicon).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Building Integrated Photovoltaics (BIPV) market.

Regional Analysis: The report involves examining the Building Integrated Photovoltaics (BIPV) market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Building Integrated Photovoltaics (BIPV) market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Building Integrated Photovoltaics (BIPV):

Company Analysis: Report covers individual Building Integrated Photovoltaics (BIPV) manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Building Integrated Photovoltaics (BIPV) This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Residential, Commercial).

Technology Analysis: Report covers specific technologies relevant to Building Integrated Photovoltaics (BIPV). It assesses the current state, advancements, and potential future developments in Building Integrated Photovoltaics (BIPV) areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Building Integrated Photovoltaics (BIPV) market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Building Integrated Photovoltaics (BIPV) market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Single Crystal Silicon

Polycrystalline Silicon

Thin Film

Market segment by Application

Residential

Commercial

Others

Major players covered

First Solar

Sharp

Yingli Solar

Solar Frontier

SunPower

Solarcentury

Hanwha Solar

REC Group

Panasonic

Kyocera

Canadian Solar

Suntech

Trina Solar

Meyer Burger

AGC Solar

Harsha Abakus Solar

Sapa Group

ISSOL

SolarWorld AG

Jinko Solar

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Building Integrated Photovoltaics (BIPV) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Building Integrated Photovoltaics (BIPV), with price, sales, revenue and global market share of Building Integrated Photovoltaics (BIPV) from 2019 to 2024.

Chapter 3, the Building Integrated Photovoltaics (BIPV) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Building Integrated Photovoltaics (BIPV) breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Building Integrated Photovoltaics (BIPV) market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Building Integrated Photovoltaics (BIPV).

Chapter 14 and 15, to describe Building Integrated Photovoltaics (BIPV) sales channel, distributors, customers, research findings and conclusion.

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