

# Building Integrated Photovoltaics (BIPV) Market to Witness Huge Growth by 2030 – Ertex Solartechnik GmbH, TESLA INC etc.

*Building Integrated Photovoltaics (BIPV) Market is Expected to Reach \$86.7 Billion by 2030*

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/EINPresswire.com/ -- Building-integrated photovoltaics (BIPVs) refer to solar power-generating components that are used in constructing facades, roofs, and skylights in buildings.

Generally, these components include the integration of photovoltaic modules, a backup power supply system, a charge controller, a power storage system, and other supporting hardware.

BIPV materials offer several benefits over their traditional counterparts as they provide onsite power generation, zero emissions, high energy conservation, superior architectural integration, and optimal shading. In addition, BIPVs also help reduce labor and installation costs by replacing

high-end roof membranes, skylight glazing, and façade cladding. The global building integrated photovoltaics market was valued at \$14.0 billion in 2020 and is projected to reach \$86.7 billion by 2030, growing at a CAGR of 20.1% from 2021 to 2030.

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Rising demand for BIPV fueled by sleek designs, supportive policies, and cost efficiencies despite initial investment hurdles and heat challenges.”

*Allied Market Research*



BIPV Market

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The global demand for building integrated photovoltaics market is primarily driven by an increase in efforts by national governments for the installation of solar energy panels. A rise in awareness regarding green infrastructure, including buildings with energy efficiency, is expected to boost demand for building-integrated photovoltaics (BIPV). BIPV provides a sustainable and



By application, the global building integrated photovoltaics market is studied across roofs, walls, glass, façade, and others. The roof segment accounted for the largest market share in 2020, owing to the availability of a larger panel installation area for BIPV. The roof segment dominated the global market with one-third of the total market share in 2020.

By end-use, the global building integrated photovoltaics market is studied across residential, commercial, and industrial. The commercial segment emerged as the leader in 2020, owing to the increasing awareness of zero-emission green infrastructure. BIPV installations improve the aesthetic appeal of commercial establishments and provide major savings on electricity consumption, thereby driving product deployment across the commercial segment. The commercial segment dominated the global building integrated photovoltaics market with more than half of the total market share in 2020.

Region-wise, the global building integrated photovoltaics market is studied across North America, Europe, Asia-Pacific, and LAMEA. Europe emerged as the leader in 2020, owing to the European Commission's supportive directives in the form of financial incentives, such as subsidies on photovoltaic integration. Europe accounted for a major building integrated photovoltaics market share in 2020 and dominated the global market with more than one-third of the total market share in 2020.

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Key highlights of the report:

- In 2020, Europe dominated the global building integrated photovoltaics market with around 39.8% share, in terms of revenue.
- North America is projected to grow at the highest CAGR of 20.7% in terms of revenue.
- The crystalline silicon segment dominated the global building integrated photovoltaics market with around 70.0% of the share in terms of revenue. In addition, it is also projected to grow at the highest CAGR of 20.4% in terms of revenue.
- The roof segment dominated the global building integrated photovoltaics market with around 38.7% of the share in terms of revenue.
- The glass segment is projected to grow at the highest CAGR of 21.0% in terms of revenue.
- The commercial segment dominated the global building integrated photovoltaics market with around 53.8% of the share in terms of revenue.
- The residential segment is projected to grow at the highest CAGR of 20.7% in terms of revenue.

For more information, please contact: [info@alliedmarketresearch.com](mailto:info@alliedmarketresearch.com)

Q. Global Building Integrated Photovoltaics Market to Reach 400-2-million Globally by 2032 at 12-8-CAGR - Allied Market Research - <https://www.globenewswire.com/news-release/2023/07/13/2704638/0/en/Thermophotovoltaics-Market-to-Reach-400-2-million-Globally-by-2032-at-12-8-CAGR-Allied-Market-Research.html>

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David Correa  
Allied Market Research  
+ +1 5038946022  
[email us here](#)

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