



SolarPower
Europe

Opportunities for BIPV from the European Green Deal

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BIPV in the EU is today at a turning point

Introduction of BIPV-specific support
schemes

Ongoing improvements to the
regulatory framework at EU-level

Burgeoning BIPV Manufacturing
projects



Favourable policy framework for PV has not necessarily translated into BIPV growth across the EU

Structural barriers slow down the uptake of BIPV:

- Standardisation issues
- Construction stakeholders engagement
- Lack of targeted support frameworks

Since 2020, Member States are re-introducing BIPV support measures:

- Feed-in-Tariff premium launched in France
- Multiplier to the green certificate scheme in Brussels region

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The European Green Deal will improve the regulatory framework for BIPV and unlock an enormous potential

On-site solar on buildings in the EU could generate between 680 TWh and 1,300 TWh, both on rooftops and on façades

Renovation Wave as the strategy to decarbonise the EU's building stock

Fit for 55 Package aims to translate Green Deal and Renovation Wave ambitions into legislation



The Renovation Wave Strategy highlights need to tackle barriers for BIPV

- 60% building decarbonisation by 2030 and climate neutral building stock by 2050
- At least double the rate of energy renovation, up from about 1% today

The European Commission commits to map challenges and to remove barriers for BIPV growth, notably by facilitating mutual recognition of national certification and insurance schemes

4 key initiatives:

- Review of the Renewable Energy Directive
- The review of the Energy performance of Buildings Directive
- The launch of the New European Bauhaus initiative
- The revision of the Construction products Regulation

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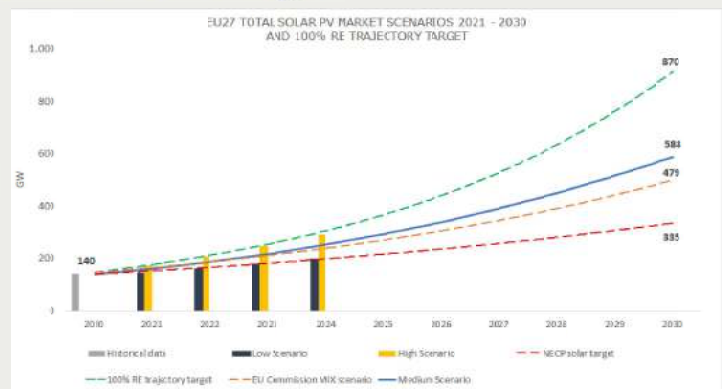
Proposal to amend the Renewable Energy Directive strengthens role of renewables in buildings

Increased overall target to at least 40% RES by 2030

SPE calling for an at least 45% target

Proposal to introduce an article on Mainstreaming the use of renewables in building, including an indicative target for buildings to use at least 49% of renewable energy by 2030

SPE calling for the introduction of measures to remove barriers to the deployment of BIPV



The review of Energy Performance of Buildings Directive should drive the use of solar in renovation projects

Revision will focus on increasing the amount and depth of building renovations:

1. An update of the NZEB standard
2. A review of the Energy Performance Certificates framework
3. The introduction of minimum Mandatory Performance Standards

EPBD review should **mainstream the deployment of building integrated solar** across all suitable buildings surfaces in the EU



New European Bauhaus initiative key opportunity for innovative solar technologies such as BIPV

Multidisciplinary action between all stakeholders relevant to the design of the built environment, including:

- Architects and designers
- Contractors and training institutes
- Energy stakeholders
- Cultural centers, universities, and research institutes

Aims to promote innovative design and materials across sectors based on the principles of

- Sustainability
- Aesthetics
- inclusiveness

beautiful | sustainable | together



#NewEuropeanBauhaus



Revision of the Construction Products Regulation will be key to create a **single market for construction products**

→ Focus on **insufficient quality of harmonised standards**

→ **Improve the functioning of the single market** for construction products

→ Aims:

- ✓ Unlock growth of the construction products sector
- ✓ Promote European Green Deal environmental goals
- ✓ Promote product safety



Manufacturing of BIPV in the EU can reinforce industrial leadership in solar technologies

→ Standard vs customization vs mass customisation

→ Flexibility and automation

Renewable energy ambition will support world
leading manufacturers across the solar value chain
the EU

Two large scale manufacturing projects in
the EU

- Akuo Sunstyle Gigafactory
- ARMOR solar power films



Thanks for listening

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