



Advancing BIPV Standardization: Addressing Regulatory Gaps and Performance Challenges

Fabio Parolini, (SUPSI, Switzerland);

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This report provides a detailed analysis of the challenges and advances in mechanical and electrical standardization and testing procedures for BIPV.

It highlights:

- the key issues in regulatory gaps,
- the need for a new performance-based testing approach,
- the importance of harmonizing certification processes to simplify market introduction.

The goal is to support a unified regulatory framework for the widespread deployment of BIPV technologies globally.

Gaps, needs, and testing procedures



CHALLENGES

Regulatory gaps

BIPV is a building product

Solar architecture needs flexibility

Retesting and certification



PROPOSALS

Proposal of new procedures on the performance-based approach:

- Electrical safety
- Mechanical safety
- Structural Integrity (wind-driven rain test)

Fabio Parolini (SUPSI, Switzerland);
fabio.parolini@supsi.ch;

