



ŁOTWA SYSTEM

Cost advantage of double-glass bifacial modules





Overview

Are double glass modules bifacial?

Dual-sided energy Capture: Many double glass modules are bifacial, allowing them to harness sunlight from both sides. This can lead to energy gains of up to 25%, especially when installed over reflective surfaces.

What is bifacial glass technology?

Bifacial glass technology is the preferred material among manufacturers for the rear side cover of the modules. Some key advantages of the glass-glass structure are: Glass-glass modules can also be frameless, which helps eliminate the cost of an extruded aluminum frame. However, glass-glass models with frames have a lower risk of breakage.

Why are double glass solar panels bifacial?

Thermal stability: The identical thermal expansion coefficients of the glass layers minimize stress on solar cells during temperature fluctuations. **Dual-sided energy Capture:** Many double glass modules are bifacial, allowing them to harness sunlight from both sides.

What are the benefits of glass-glass configuration bifacial modules?

Our analysis identified the following benefits for glass-glass configuration bifacial modules: The polymer backsheet that traditional modules use is made from plastic with poor resistance to acid and corrosion. Prolonged exposure to air may bring about yellowing, cracking, degradation and chalking, etc.



Cost advantage of double-glass bifacial modules

Double the strengths, double the benefits

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Bifacial Double-glass TOPCon PV Modules

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