



ŁOTWA SYSTEM

Solar panel back glass





Overview

What is a glass-glass solar panel?

Glass-glass module structures (Glass Glass or Double Glass) is a technology that uses a glass layer on the back of the modules instead of the traditional polymer backsheet. Originally double-glass solar panels were heavy and expensive, allowing the lighter polymer backing panels to gain most of the market share. Thanks to producers such as:.

What is the backsheet on a solar panel?

Flip over a solar panel, and you'll see the backsheet – that outermost layer on the back side. It's basically the panel's skin, protecting all the delicate parts inside from whatever Mother Nature throws at it. While everyone talks about solar cells and glass fronts, this humble layer quietly does several crucial jobs:.

What is the difference between glass-transparent backsheet and dual glass?

Along with the size increase, the module weight is also increasing. Compared with dual glass, the transparent backsheet can successfully decrease module weight and the difference between the glass-transparent backsheet module and the dual glass alternative increases with the growing module size.

What is the difference between a transparent backsheet and a glass PV module?

The glass used in PV modules generally has a UV transmittance of 40%-50%. Transparent backsheet, on the other hand, has a much lower UV transmittance (<1%). As a result, it blocks a substantial portion of UV radiation, improving the module's long-term reliability and performance.



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