

## SolarTech Power Solutions

# Which manufacturer is better for double-glass solar modules



## Overview

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What is a double glass solar module?

In the ever-evolving world of photovoltaic technology, double glass solar modules are emerging as a game-changer. By encapsulating solar cells between two layers of glass, these modules offer unparalleled durability and efficiency. But what exactly sets them apart?

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Are double glass solar panels a good investment?

The double glass solar panels are among the most powerful, especially in the long term: Meyer Burger guarantees a performance of at least 93.2 percent after 30 years – as much as no other manufacturer in our portfolio. Double glass solar panels from Meyer Burger.

Should solar panels be double glass?

Several solar panel manufacturers have shifted towards exclusively producing double glass solar panels – or plan to do this soon. Until now, this strategy was only a marginal phenomenon of single brands, but now Meyer Burger, Axitec, Luxor, and Trina are among the frontrunners in this transition.

Who makes double glass solar panels?

Double glass solar panels from Meyer Burger The German manufacturer produces in Europe and Asia. The bifacial solar panels with heterojunction technology offer an especially high bifaciality factor of 95 percent. This means that the efficiency of the back side reaches 95% of the efficiency of the front side.

Why are double glass solar panels better than glass-backsheet solar panels?

Thus the solar cells are exposed to less stress in hot or cold conditions, as both glass layers expand and contract at the same rate. The longer lifespan of double glass solar panels compared to glass-backsheet panels results in significantly higher overall yields for the solar system over its lifetime.

Can dual-glass solar panels increase solar energy production?

Installing dual-glass panels on a reflective surface, like a white rooftop, can increase solar energy production. That's because nowadays, dual-glass solar modules use bifacial cells throughout, and this power is generated from both sides of the panel instead of just one. The image shows the layers of the Vertex S+ dual glass modules

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