

Mongolia double glass components





Overview

What is the bifaciality of a double glass module?

Bifaciality: The bifaciality of double glass modules produces a gain of around 10-11% compared to the power measured on the front panel alone, for TOPCon type modules under so-called BNPI (bifacial nameplate irradiance) test conditions.

What is a dual-glass module?

Dual-glass type modules (also called double glass or glass-glass) are made up of two glass surfaces, on the front and on the rear with a thickness of 2.0 mm each. Some manufacturers, in order to reduce the weight of the modules, have opted for a thickness of 1.6 mm. Dualsun has chosen to stay with a thickness of 2.0 mm for reasons explained below.

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 a glass-backsheet module?

In the case of a glass-backsheet module, not only is the upper glass layer thicker (3.2 mm versus 2.0 mm) but also this layer is fully tempered glass, whereas in the case of a thickness of 2.0 mm, the glass is only semi-tempered due to technical limitations of the tempering process.



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Glass-Glass Solar Panel Technology

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