

# Palikir double glass module





## 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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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 double glass module?

In contrast, double glass modules replace the polymer layer with another glass sheet, creating a robust sandwich structure. At IBC SOLAR, we use 2,0 mm x 2,0 mm glass layers, whereas some other market offerings use thinner 1,6 mm x 1,6 mm layers. This ensures greater durability and longevity.

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.



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Superior protection; Environmental shielding: Double glass modules provide excellent defense against moisture, corrosion, and UV radiation, reducing the risk of potential-induced degradation (PID). ...

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Double glass solar modules, also known as bifacial modules, are a type of photovoltaic panel that differs from traditional solar panels in that they have glass on both the ...

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### [Glass-Glass Solar Panel Technology](#)

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 ...

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## Glass-glass modules

Glass-glass modules are an innovative choice for solar installations that require maximum durability and performance. Unlike conventional glass-foil modules, they have a double layer of ...



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Double glass solar panels feature a construction that includes glass on both the front and back sides, significantly bolstering their durability. This design protects sensitive components from harsh environmental ...

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### [What are the advantages of dual-glass Dualsun modules?](#)

The thickness of the front glass generally used for this type of structure is 3.2 mm. Dual-glass type modules (also called double glass or glass-glass) are made up of two glass ...

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Why Choose Double Glass Solar Modules? Glass-glass solar modules (bifacial modules) increase energy production by approximately 2% to 5% compared to traditional glass-backsheet ...

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The choice of glass in a PV module has become a key consideration in efforts to improve durability in the face of extreme weather conditions.

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The choice of glass in a PV module has become a key consideration in efforts to improve durability in the face of extreme weather conditions.

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## [A Complete Guide to Solar Module Glass](#)

As solar technology continues to advance, solar module glass has become one of the most critical components determining the performance, durability, and long-term reliability ...

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