



MODERNIZATION SOLAR

Standard double glass module





Overview

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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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.

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.



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

Nov 26, 2025 · Hermetic encapsulation: the double glass modules offer a hermetic structure, resistant to aggressive weather conditions, the main one being moisture penetration ...

[Double the strengths, double the benefits](#)

Feb 21, 2025 · Superior protection; Environmental shielding: Double glass modules provide excellent defense against moisture, corrosion, and UV radiation, reducing the risk of potential ...



[The Performance of Double Glass Photovoltaic Modules ...](#)

Sep 1, 2017 · In recent years, with the rapid development of the photovoltaic industry, double glass module as a high reliability and high weather resistance product is favored by many PV ...

[INSTRUCTIONS FOR PREPARATION OF PAPERS](#)

Nov 1, 2025 · The double glass module design offers not only much higher reliability and longer durability but also significant Balance of System cost savings by eliminating the aluminum ...



[Double glass solar module , Maysun Solar](#)

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 ...



[Double the strengths, double the benefits](#)

Feb 21, 2025 · Superior protection; Environmental shielding: Double glass modules provide excellent defense against moisture, corrosion, and UV ...



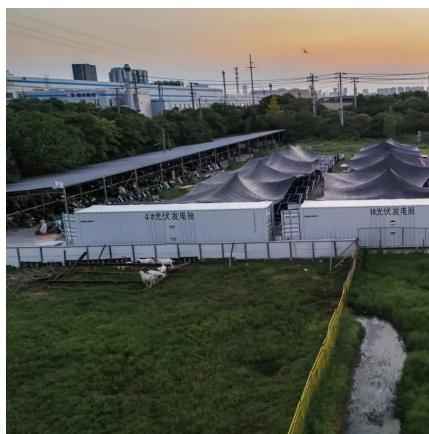
[EVO 6R 600-625W N Type TOPCon Bifacial Double-glass ...](#)

Jun 8, 2024 · Bifacial with Double-Glass Module adopts 182*210mm half cells, bifacial module provide an additional 5%~25% output.



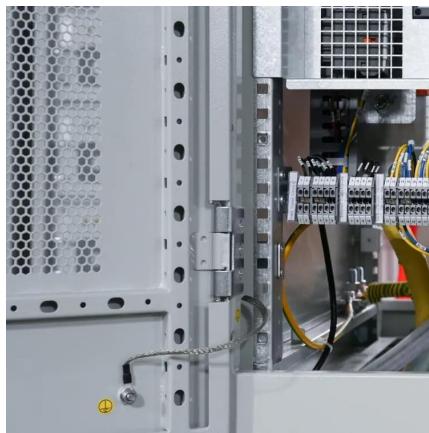
Bifacial Double Glass Module

Excellent product appearance and performance
Two-sided double-glazed modules, symmetrical
structural design, low risk of hidden cracks.



JA Solar PV Bifacial Double-glass Modules Installation ...

Nov 20, 2024 · The connection between photovoltaic module and photovoltaic module bracket should be in the form of fixed aluminum alloy press block standard parts, rail groove insertion ...



Bifacial Double-glass TOPCon PV Modules

CSG's bifacial double-glass TOPCon solar modules deliver high power output, excellent durability, and long-term reliability. Featuring 132, 144, or 156 high-performance monocrystalline cells ...



Double-glass PV modules with silicone encapsulation

May 21, 2024 · ABSTRACT Double-glass PV modules are emerging as a technology which can deliver excellent performance and excellent durability at a competitive cost. In this paper a ...



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