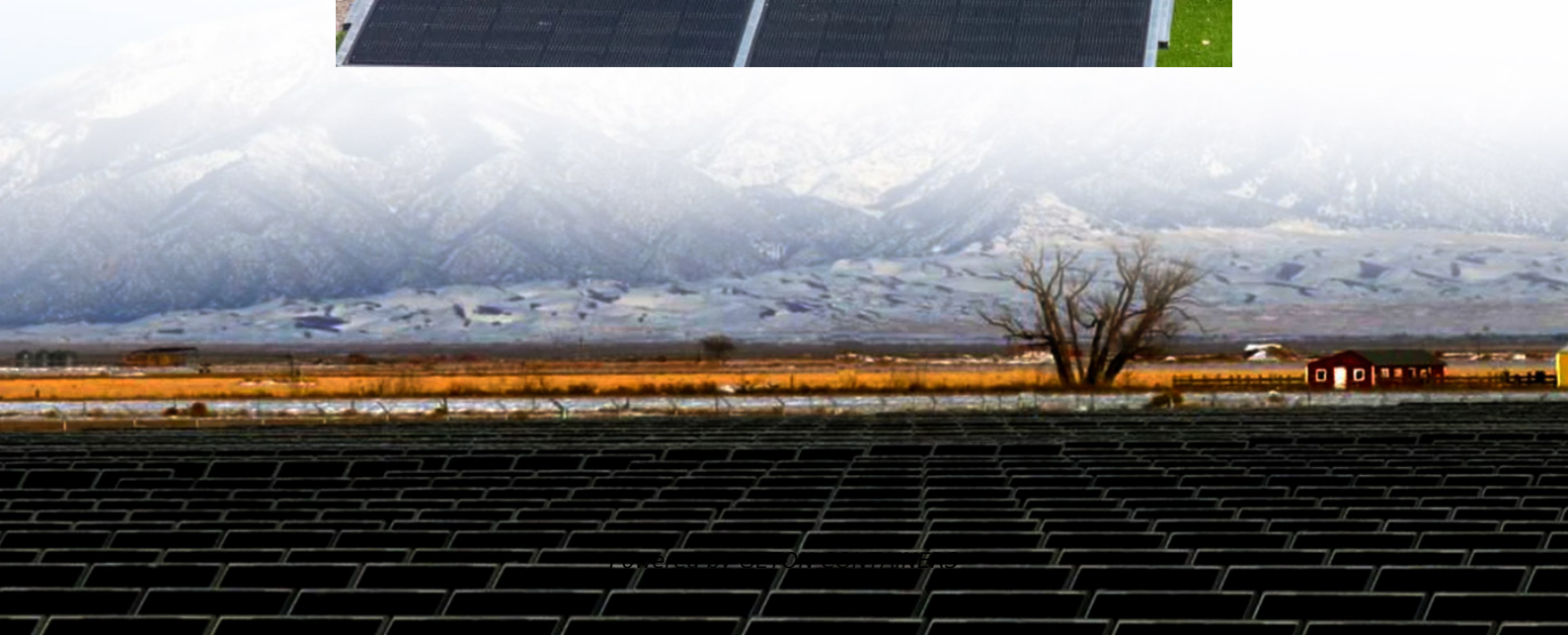


## **Applicable to double glass modules**





## Overview

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What is a double-glass module?

Double-glass modules are characterized by increased reliability, especially for large-scale photovoltaic projects. They include better resistance to higher temperatures, humidity and UV conditions, and have better mechanical stability, reducing the risk of microcracks during installation and operation.

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?

What are double glass solar modules?

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Why should you choose a double glass module?

**Mechanical robustness:** The dual-glass structure offers exceptional resistance to mechanical loads, such as wind and snow, making them ideal for challenging environments. **Environmental shielding:** Double glass modules provide excellent defense against moisture, corrosion, and UV radiation, reducing the risk of potential-induced degradation (PID).

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.



## Applicable to double glass modules

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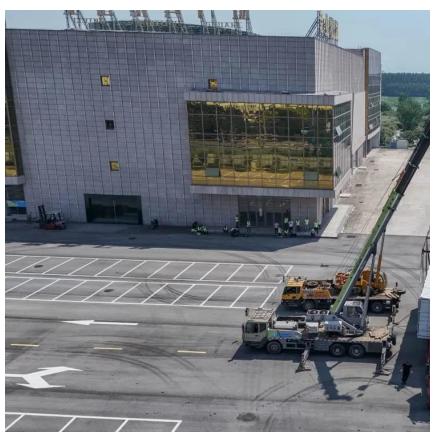
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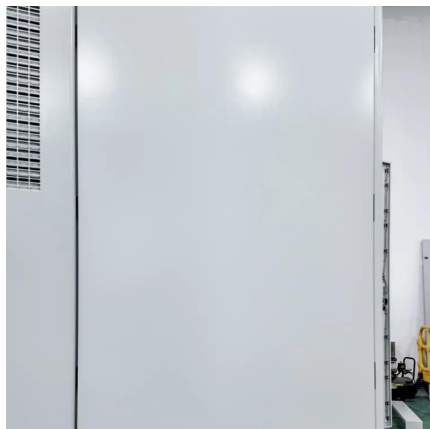
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Left: a double-glass module; right, a bifacial single-glass module. The wave of industrial consolidation is growing ever more pronounced, shaping the landscape with each ...

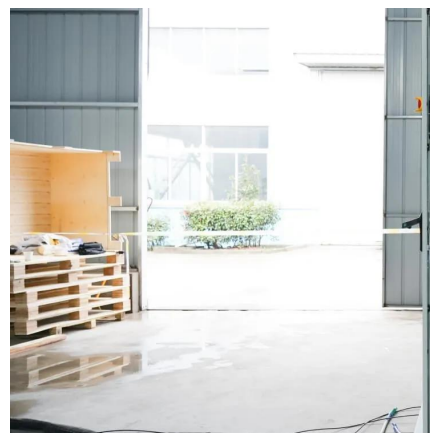
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Superior protection; Environmental shielding: Double glass modules provide excellent defense against moisture, corrosion, and UV radiation, reducing the risk of potential ...

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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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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 ...

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The maximum number of modules that can be connected in a series string must be calculated in accordance with applicable regulations in such a way that the specified maximum ...

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