

## SolarMax Energy Systems

# Double glass module back



## Overview

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Typically, solar panels have a front glass panel and a back plastic sheet. These single-sided glass panels are supported by frames across the entire construction. Manufacturers have developed double glass solar panels in recent years. Instead of a plastic back sheet, these panels have a second layer of glass.

There is a clear distinction between single and double glass solar panels. This difference should be clear by this- .

The front surface of double glass mono solar cells has an emitter layer and the back side has a dark covering. Passivated Emitter and Rear.

What is a dual glass module?

Our dual glass modules use the same internal circuit connection as a traditional glass-backsheet module but feature heat-strengthened glass on both sides. We produce the back glass with a unique drilling technique that ensures the reliability of both the junction box installation and the module.

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.

What is the difference between glass-transparent backsheet and dual glass?

Along with the size increase, the module weight is also increasing. Compared with dual glass, the transparent backsheet can successfully decrease module weight and the difference between the glass-transparent backsheet module and the dual glass alternative increases with the growing module size.

Are glass-glass modules frameless?

Glass-glass modules can also be frameless, which helps eliminate the cost of an extruded aluminum frame. However, glass-glass models with frames have

a lower risk of breakage. As a result, most glass-glass modules come with frames in place. Compared with standard glass backsheet technology, framed modules with two layers of glass are heavier.

What changes have been made in glass-glass modules?

In the case of Glass-Glass modules, an important change has been made by replacing EVA with polyolefins as an encapsulating substance. This is due to the free radicals generated during the EVA cross-link lamination process. Traditional backsheets are somewhat permeable to free radicals, but the double glass module is not.

Why should you choose a dual-glass module?

From this point of view, the structural design of our dual-glass modules overcomes problems such as the outdoor degradation-induced material aging and the power attenuation that frequently affects traditional backsheets. In addition, our design avoids distinctive weak points in thin-film modules, such as low efficiency and high vulnerability.

## Double glass module back

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### Double the strengths, double the benefits

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, ...

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### About the advantages of double-sided double-glass ...

Solar panels that can generate electricity on both sides are called bifacial modules, and are generally in the form of double-glazing. This article compiles ...



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### The weekend read: Double glass can spell double ...

Problems with glass-glass module lamination can result in compromised quality. The module can bow either after lamination or in the ...

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## What is the Double Glass (Dual

## Glass) Photovoltaic Solar Panel?

Glass-glass module structures (Dual Glass or Double Glass) is a technology that uses a glass layer on the back of the modules instead of the traditional polymer backsheet.

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## Double the strengths, double the benefits

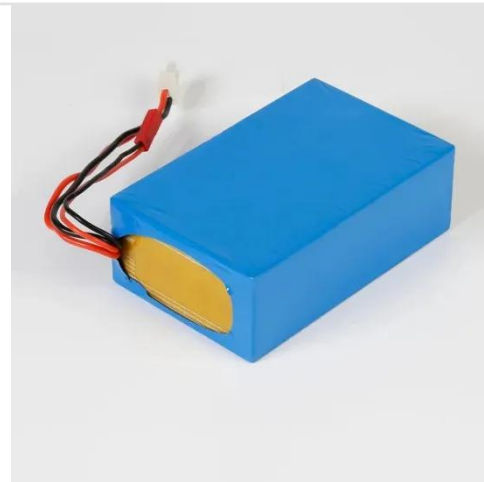
In the ever-evolving world of photovoltaic technology, double glass solar modules are emerging as a game-changer. By encapsulating solar cells ...

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## Dual-glass vs glass-backsheet: The winning formula ...

Our dual glass modules use the same internal circuit connection as a traditional glass-backsheet module but feature heat-strengthened glass on ...

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modules, and are generally in the form of double-glazing. This article compiles the advantages of double-sided ...

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## Slenergy N-Type bifacial double glass monofacial module 425W ...

High Efficiency Leading module efficiency in industry, up to 21.8%  
Double Sided Power Generation  
Bifaciality is up to 80%, up to 30% more energy yield than conventional ...



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Voltage range: 691.2-947.2V

>6000 cycles(100%DOD)

Rated battery capacity: 216KWH (customizable)

EMS communication: 4G/CAN/RS485

## What is the difference between a double-sided double-glass n ...

The difference between double-sided double-glass n-type monocrystalline solar photovoltaic module and ordinary components is reflected in multiple dimensions, from core ...

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## What are the advantages of dual-glass Dualsun modules?

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.

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Standard 20ft containers



Standard 40ft containers

## Dual-glass vs glass-backsheet: The winning formula for bifacial ...

Our dual glass modules use the same internal circuit connection as a traditional glass-backsheet module but feature heat-strengthened glass on both sides. We produce the ...

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## The Performance of Double Glass Photovoltaic Modules under ...

Double glass module contains two sheets of glass, whereby the back sheet is made of heat strengthened (semi-tempered) glass to substitute the traditional polymer backsheet.

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## What is the Double Glass Photovoltaic Solar Panel?





What is the Double Glass Photovoltaic Solar Panel? Glass-glass module structures (Dual Glass or Double Glass) is a technology that uses a glass ...

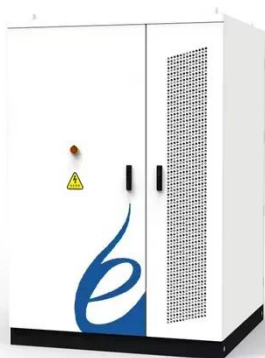
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## 240118 425R ?? IT ?? ????

1 5 10 Standard Module Linear  
Performance Warranty 15 20 25 30 N-  
Type Bifacial Double Glass Module Linear  
Performance Warranty 1.00% 1st-year  
Degradation

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### Product Details



## What is the Double Glass Photovoltaic Solar Panel?

What is the Double Glass Photovoltaic Solar Panel? Glass-glass module structures (Dual Glass or Double Glass) is a technology that uses a glass layer on the back of the modules instead of ...

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## 425w N-Type Bifacial Double Glass Module (Black Pro) DAS

...

Ref: DAS-DH108NA425w Bifacial Double  
Glass Module Maximum Module



Efficiency 22.3%Download Datasheet  
hereFor any order greater than 5 panels,  
contact us via the form ...

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## What is the Double Glass (Dual Glass) Photovoltaic ...

Glass-glass module structures (Dual Glass or Double Glass) is a technology that uses a glass layer on the back of the modules instead of the ...

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## Bifacial Double Glass Module (Black Pro) DAS-DH108NA

Bifacial Double Glass Module (Black Pro) DAS-DH108NA 420W~440W Key Features High Efficiency Leading module efficiency in industry, up to 22.5% ...

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## JA 450W Bifacial Black Frame

Utilising the latest technology the n-type Bifacial from JA Solar is a high efficiency double glass module. Featuring mono 16BB cells on both sides of the module



...

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## JinkoSolar: Transparent backsheet vs dual glass

Transparent backsheet can successfully decrease module weight and the difference between the glass-transparent backsheet module and the ...

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 **TAX FREE**

**1-3MWh**  
**BESS**



## JinkoSolar: Transparent backsheet vs dual glass

Compared with dual glass, the transparent backsheet can successfully decrease module weight and the difference between the glass-transparent backsheet module and the ...

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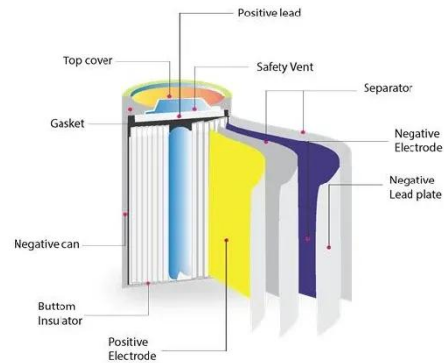


## The weekend read: Double glass can spell double trouble

Problems with glass-glass module lamination can result in compromised quality. The module can bow either after

lamination or in the field, particularly when frameless.

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**LPW48V100H**  
**48.0V or 51.2V**



## What are Double Glass Solar Panels?

These are known as Double-Glass designs (solar panels with double glass or glass solar panels). The double glass module, as the name implies, is a construction in which ...

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