

# **Conventional double-glass module dimensions**





## Overview

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What is the thickness of a glass module?

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 surfaces, on the front and on the rear with a thickness of 2.0 mm each.

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.

Why are double glass modules symmetrical?

Mechanical constraints on cells: the fact that the structure of the double glass modules is symmetrical implies that the cells are located on a so-called neutral line, the upper part of the module being in compression during a downward mechanical load and the lower glass surface being in tension.

What is a double glass c-Si PV module?

Recently several double-glass (also called glass-glass or dual-glass modules) c-Si PV modules have been launched on the market, many of them by major PV manufacturers. These modules use a sheet of tempered glass at the rear of the module instead of the conventional polymer-based backsheet. There are several reasons why this structure is appealing.

Are double-glass PV modules durable?

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 glass-glass module technology that uses liquid silicone encapsulation



is described. The combination of the glass-glass structure and silicone is shown to lead to exceptional durability.

What is glass-glass module technology?

In this paper a glass-glass module technology that uses liquid silicone encapsulation is described. The combination of the glass-glass structure and silicone is shown to lead to exceptional durability. The concept enables safe module operation at a system voltage of 1,500V, as well as innovative, low-cost module mounting through pad bonding.



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### 2025 Guide to Dual-Glass Solar Modules: When Premium Panels ...

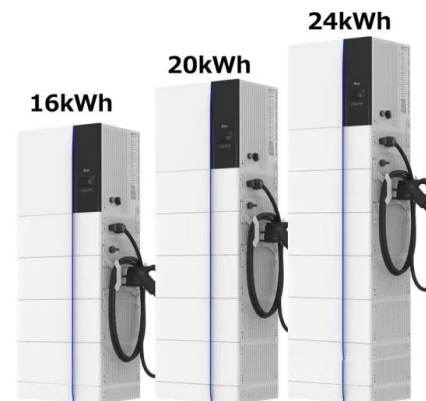
Complete guide to dual-glass solar panels: applications, benefits, costs & limitations. Learn when this premium technology provides genuine value vs conventional panels.

[Product Information](#)

### Glass-Glass Modules: The Revolution for Solar Installers - Why ...

The Effect of Microclimate on Glass-Glass Modules Did you know that glass-glass modules are not only more durable but also handle extreme microclimate environments ...

[Product Information](#)



### DAS-DH144NA-EN-565-585(2278-1134-30)

Mechanical Parameters Cell Type Module Size  
Glass Thickness Module Weight Output Cable  
Connector Junction Box Frame N Type  
2278×1134×30mm 2.0mm 31.3Kg 4mm<sup>2</sup>, cable  
length ...

[Product Information](#)

### [Evo6N N-Type TOPCon Bifacial Double Glass 685-710W](#)

Adpoted SunEvo lastest S-TOPCo 2.0 technology,  
No polysilicon wrap around, Full electrical  
isolation, Zero leakage current; Much Safer for  
roof. Higher power output even under low-light ...



## [Product Information](#)



### **54 Pcs Bifacial Double Glass Module**

With a lot of power in their compact design, the double-glass design offers more efficiency gains and suits a variety of application scenes. The product data was updated in 2022. Max. System ...

## [Product Information](#)



## [Specification Data Sheet Solar Panel Gui](#)

High Performance Bifacial technology generates power from both the front and back faces of the module, resulting in up to 20% higher energy harvest (kWh). Our HCT cells packaged in ...

## [Product Information](#)



## [JA Solar PV Bifacial Double-glass Modules Installation ...](#)

JA Solar modules can be mounted in landscape or portrait orientation. For the bifacial modules, in order to maintain the energy yield of module rear side, the distance between the bottom of ...

## [Product Information](#)



### [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 ...

### [Product Information](#)



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

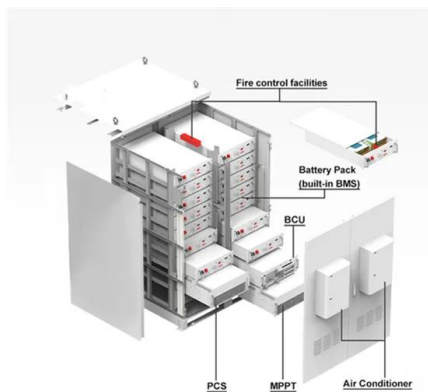
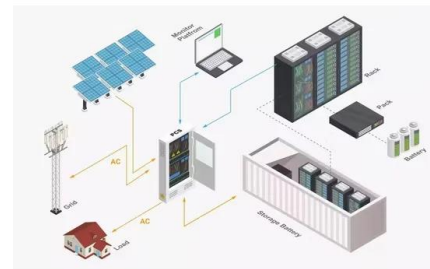
Dual-glass type modules (also called double glass or glass-glass) are made up of two glass surfaces, on the front and on the rear with a thickness of 2.0 mm each.

### [Product Information](#)

### [Bifacial Double Glass Module DAS-DH144ND 595W~620W](#)

Product and Quality Certifications Bifacial Double Glass Module Maximum Module Efficiency Power Output Tolerance 87.40% 89.40% 80.00% 87.40% 97.00% 99.00% 100.0% 0 1 5 10 15 ...

### [Product Information](#)



### [Conventional module and Double glass module structure....](#)

The proposed parametric open source designs are analyzed through finite element methods (FEM) simulations and economic analysis is performed to compare to conventional PV frame ...

### [Product Information](#)



## What are Double Glass Solar Panels?

Double-glass solar modules are made up of two layers of tempered glass that cover both sides of the solar panel. As snow accumulates on a typical solar panel or people ...

[Product Information](#)



## [INSTRUCTIONS FOR PREPARATION OF PAPERS](#)

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 frame of ...

[Product Information](#)

## DAS-DH144NA-EN-580-600(2278-1134-30)

Mechanical Parameters Cell Type N Type Module  
Size 2278×1134×30mm Glass Thickness 2.0mm  
Module Weight 31.3Kg Output Cable 4mm<sup>2</sup>,  
cable length 300mm (can be customized) ...

[Product Information](#)



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