



# Double-glass module export volume





## Overview

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Fuse Rated Current 35A Bifaciality 80%±5% Static Load Front 5400Pa, Back 2400Pa Packing Data 33 pcs/Pallet;594(40HQ) Short Circuit Current(Isc) +0.045%/°C Open Circuit Voltage(Voc) -0.250%/°C Nominal Max. Power(Pmax) -0.280%/°C NMOT 42±2°C Max. System Voltage Power Tolerance 0 ~ +5 W Operating.

ABSTRACT: Double-glass modules provide a heavy-duty solution for harsh environments with high temperature, high humidity or high UV conditions that usually impact the reliability of traditional solar modules with backsheet material. Double-glass modules have increased resistance to cell.

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.

Fuse Rated Current 30A Bifaciality 80%±5% Static Load Front 5400Pa, Back 2400Pa Packing Data 36 pcs/Pallet;144(20GP);720(40HQ) Max. System Voltage Operating Power Tolerance 0 ~ +5 W Operating Temperature -40°C ~ +85°C Max. Fuse Rated Current 30A Bifaciality 80%±5% Static Load Front 5400Pa, Back.

30 Years linear power warranty Nominal Max. Power(Pmax/W) Nominal Max. Power(Pmax/W) Nominal Max. Power(Pmax/W) Nominal Max. Power(Pmax) Max. System Operating Voltage Power Tolerance Operating Temperature Max. Fuse Rated Current Static Load Packing Data Version number: DAS-2024.12.3 All data.

Fuse Rated Current 30A Bifaciality 80%±5% Static Load Front 5400Pa, Back 2400Pa Packing Data 36 pcs/Pallet;180(20GP);720(40HQ) Open Circuit



Voltage(Voc)  $-0.250\%/^{\circ}\text{C}$  Nominal Max. Power(Pmax)  $-0.300\%/^{\circ}\text{C}$  NMOT  $42\pm 2^{\circ}\text{C}$   
Max. System Voltage Operating Power Tolerance  $0 \sim +5$  W Operating Temperature  $-40^{\circ}\text{C} \sim$ . What is a double glass module?

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 conventional modules and frame-grounding requirements. The application of double-glass modules covers multiple markets including utility, residential and commercial.

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 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 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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Double glass modules use an innovative design with glass on both sides, offering higher photovoltaic conversion efficiency and better environmental characteristics.

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### [Double-glass PV modules with silicone encapsulation](#)

In this paper a glass-glass module technology that uses liquid silicone encapsulation is described.

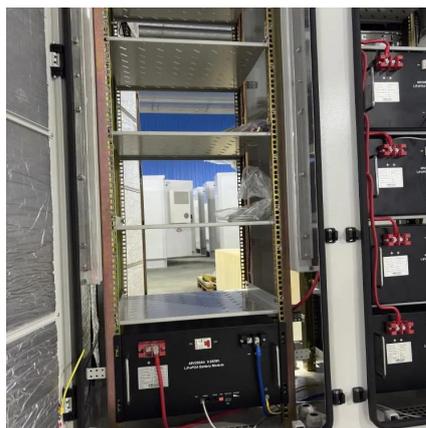
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Double glass modules use an innovative design with glass on both sides, offering higher photovoltaic conversion efficiency and better ...

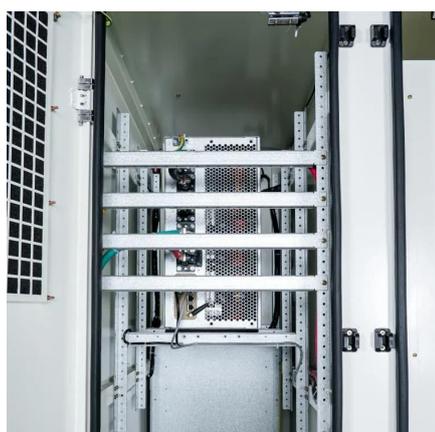
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### [DAS-DH144NA- EN-575-600\(2278-1134-30\)-V18](#)

DAS-DH144NA 575W~600W Key Features High Leading Efficiency module efficiency in industry, up to 23.2%

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Technical problems such as manufacturing yield, extra weight and the lack of frame support were solved by selecting a double heat-strengthened glass structure with a thickness of 2.5mm (or ...

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### [DAS-DH132NC- EN-695-720\(2384-1303-33\)-V03](#)

695W~720W Key Features High Efficiency Leading module efficiency in industry, up to 23.2%

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## **Experimental investigation on the**



## combustion performance of ...

To analyze the combustion performance of single-glass and double-glazed modules from leading brands in the market, this study conducted experimental tests using ...

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## [DAS-DH132NE-EN-605-630\(2382-1134-30\)-V05](#)

605W~630W Key Features High Efficiency Leading module efficiency in industry, up to 23.3%

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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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## High performance double-glass bifacial PV modules through ...

Significant amount of near infrared light passes through bifacial cells. Double-glass structure shows a loss of ~ 1.30% compare to the glass/backsheet structure under STC measurements.

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