

**PIENAAR ENERGY (PTY) LTD**

# **Dubai double-glass solar module parameters**



## Overview

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Two-sided double-glazed modules, symmetrical structural design, low risk of hidden cracks. Higher power output even under low irradiance environments like on cloudy or foggy days 3-fold IEC new standard tests passed, 15-year material warranty, and 30-year power warranty. Beyond energy generation, its properties include filtering UV and IR radiation, enhancing thermal comfort within the building. The photovoltaic glass selected for the Dubai Frame was an ideal choice due to its ability to blend cutting-edge technology with the iconic design of the structure. Bifacial ratio reaches 80%, 30% more module power generation than conventional modules. Double-glass modules, with their performance in the face of salt mist, high temperatures and high humidity, have won the market's favour. Reduces losses & improving conversion efficiency TOPCon cells, lower attenuation, better temperature coefficient & dim light performance TOPCon cells double-sided rate up to 85% and more back power generation by 5-25% Double-glass. 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.

## Dubai double-glass solar module parameters

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### DAS-Solar-D-Matrix

Our industry-leading module power contributes to a conversion efficiency of 23.2%. Bifacial ratio reaches 80%,30% more module power generation than conventional modules. Two-sided double-glazed ...

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Our industry-leading module power contributes to a conversion efficiency of ...

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### Trina Launches New Dual-Glass Modules For Rooftops In Dubai

The solar company launched the new model at Dubai in the United Arab Emirates (UAE). "To help meet this energy efficiency requirement and add greater value to the customer, the Trina ...

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## 2025 Complete Guide to Glass-

## Glass Solar Panels: The Top Choice ...

Compared to traditional glass-backsheet modules, they offer greater durability and environmental resistance. The dual-glass structure provides enhanced protection for solar cells ...



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## High Efficiency Double Glass PV Module

High Efficiency Double Glass PV Module. IEC 61215 / IEC 61730 / CE / INMETRO ISO 45001. 2018/International standards for occupational health & safety. ISO 14001. 2015/Standards for ...

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## CANADIAN SOLAR SUPPLIES 268 MW DYMOND MODULES FOR ...

The first phase of the DEWA project will use more than 800,000 double-glass modules upon its completion. The production and delivery has started this month. Canadian Solar's proven track ...



- LIQUID/AIR COOLING
- ON GRID/HYBRID
- PROTECTION IP54/IP55
- BATTERY /6000 CYCLES

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## Dubai double-glass photovoltaic module parameters

Energy storage(KWh)

**102.4kWh**

Nominal voltage(Vdc)

**512V**

Outdoor All-in-one ESS cabinet



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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## Double the strengths, double the benefits

While double glass modules offer numerous benefits, it's essential to consider factors such as weight and installation requirements. Advancements in manufacturing have led to lighter ...

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 TAX FREE

   

**Product Model**

HJ-ESS-215A(100KW/215KWh)  
HJ-ESS-115A(50KW 115KWh)

**Dimensions**

1600\*1280\*2200mm  
1600\*1200\*2000mm

**Rated Battery Capacity**

215KWH/115KWH

**Battery Cooling Method**

Air Cooled/Liquid Cooled



**ENERGY STORAGE SYSTEM**



## Installation Guide for DASSOLAR DoubleGlassPhotovoltaicModule

module and panel are installed on a roof that must have a fire-resistant degree of class A. A minimum distance of 10 cm between the roof plane and the module is generally recommended.

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## Single-glass versus double-glass: a deep dive into module reliability

Double-glass modules, with their performance in the face of salt mist, high temperatures and high humidity, have won the market's favour. However, this trend is not without its risks.

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- ✓ LIQUID/AIR COOLING
- ✓ INTELLIGENT INTEGRATION
- ✓ PROTECTION IP54/IP55
- ✓ BATTERY /6000 CYCLES



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