

## SolarInnovate Energy Solutions

# Peak voltage of double-glass modules



## Overview

---

What is double glass PV module?

Double glass PV module is known as the ultimate solution for the module encapsulation technique. Although double glass modules have many advantages, they are not yet widely used in photovoltaic power plants, for which one important reason is the large power loss due to the transmission of light in the cell gap region.

How reliable is Canadian Solar's Dymond double glass module?

Canadian Solar's Dymond double glass module passed 3 times IEC standard test and IEC 61730-2:2016 multiple combination of limit test and obtained VDE report, which fully indicate high lifetime and high reliability of this double glass module. This paper presents a detailed reliability study of Canadian Solar's Dymond double glass module.

What is a double glass module?

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. With \* Corresponding author. Tel.: +86 13776101913; fax: +86 51268961413.

Why is white double glass PV module more powerful than transparent?

Due to the high reflectance of white EVA, the power of white double glass module is higher than that of transparent double glass module by 2-4%. Double glass PV modules is an area of significant investigation by many companies and institutes in recent years, for example Dupont, Trina, Apollon, SERIS, MIT, Meyer Burger and Talesun.

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 maximum deformation of a double glass module?

The maximum deformation of long side is tested according to the mechanical load of +5400 Pa for DH1000h, and -5400 Pa for DH2000h. Test result is that double glass module has no problems such as bubbles and delamination after tested under the condition of distortion +DH2000h, and the power loss is 2%.

## Peak voltage of double-glass modules

---



### JA Solar PV Bifacial Double-glass Modules Installation ...

Jul 18, 2025 · 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 ...

### JA Solar PV Bifacial Double-glass Modules Installation ...

Dec 7, 2022 · This Installation Manual contains essential information for electrical and mechanical installation that you must know before handling and installing JA Solar Modules. This Manual ...



## Contact Us

---

For catalog requests, pricing, or partnerships, please visit:  
<https://institut3i.fr>