

40 light-transmitting polycrystalline double-glass components





Overview

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.

How many patents are there for double-glass solar modules?

We have an independent R&D team with 11-year solar modules R&D experience. We can adhere to the product innovation, to ensure the delivery of a new series of products every quarter. As of 2020, the team has developed 67 intellectual patents for our double-glass products.

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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Aug 5, 2022 · Ultralight broadband microwave-absorbing materials based on the short fibers of glass-coated amorphous magnetic microwires

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Nov 13, 2024 · Crystalline silicon PV module dominates PV technology worldwide and are constantly emerging with innovative PV designs. Passivated Emitter and Rear Cell PV ...

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