

Kongres Container

Paraguay double glass modules



Overview

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.

What is a double glass module?

In contrast, double glass modules replace the polymer layer with another glass sheet, creating a robust sandwich structure. At IBC SOLAR, we use 2,0 mm x 2,0 mm glass layers, whereas some other market offerings use thinner 1,6 mm x 1,6 mm layers. This ensures greater durability and longevity.

Will Pavisá & Parglass develop a greenfield glass facility in Paraguay?

Pavisá and Parglass forge partnership for \$75 million Paraguay glass. The greenfield glass manufacturing facility in Paraguay will be developed by Parglass and Pavisá and will produce glass from a renewable source. Parglass and Pavisá have formed a partnership to develop a greenfield glass facility in Paraguay.

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.

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 are the disadvantages of dual-glass modules?

However, dual-glass modules have certain disadvantages that are important to take into consideration during the product design phase. One of the main disadvantages concerns the hail resistance. To simplify, the hail resistance of a photovoltaic panel is mainly linked to that of its upper layer.

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