



BUHLE POWER

Bifacial double-glass component application





Overview

What is bifacial glass technology?

Bifacial glass technology is the preferred material among manufacturers for the rear side cover of the modules. Some key advantages of the glass-glass structure are: Glass-glass modules can also be frameless, which helps eliminate the cost of an extruded aluminum frame. However, glass-glass models with frames have a lower risk of breakage.

What are the benefits of glass-glass configuration bifacial modules?

Our analysis identified the following benefits for glass-glass configuration bifacial modules: The polymer backsheet that traditional modules use is made from plastic with poor resistance to acid and corrosion. Prolonged exposure to air may bring about yellowing, cracking, degradation and chalking, etc.

Do bifacial modules come with frames?

As a result, most glass-glass modules come with frames in place. Compared with standard glass backsheet technology, framed modules with two layers of glass are heavier. Therefore, transparent backsheets are a solution for a lighter bifacial module. A more lightweight module means less cost on transportation, labor, and trackers whenever applicable.

Why should you choose a bifacial module?

Our industry-leading module power contributes to a conversion efficiency of 22.7%. Bifacial ratio reaches 80%, 30% more power generation than conventional modules. 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



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Bi-facial Double Glass

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