

## PDEOZE PowerContainer

# Double-glass bifacial and double-glass monofacial modules



IP65/IP55 OUTDOOR CABINET

OUTDOOR MODULE CABINET

OUTDOOR 5G BASE STATION  
CABINET

WATERPROOF

## Overview

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Single-glass bifacial modules are lightweight and suitable for rooftop installations, while double-glass bifacial modules provide greater resistance to weather conditions, making them ideal for ground-mounted installations and complex environments. Why are glass-glass bifacial modules becoming more popular?

Due to their better reliability, glass-glass bifacial configurations have a larger portion of the worldwide bifacial module market share. Glass shortages, weight concerns for larger format modules, and decreasing prices for transparent backsheets have caused some manufacturers to switch to a glass-transparent backsheet structure.

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 is the difference between bifacial and double glazed panels?

The double-glazed design gives them a transparent or translucent appearance, which is different from the opaque single-sided panels. Main difference: The design of single-sided panels is simpler and lighter, while bifacial double-glazed panels are heavier and have a more complex and modern appearance due to the double-glazed structure. 2.

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.

What is the difference between monofacial and bifacial panels?

Monofacial panels are typically affixed onto rooftops of buildings or mounted on fixed structures, whereas bifacial panels require specialized mounting systems that create space beneath them to allow light capture from the back. As such, installing bifacial panels can be more complex and expensive.

What are bifacial and monofacial solar panels?

Bifacial and monofacial solar panels are two distinct styles of photovoltaic technology that generate power by converting light from the sun into electricity. Both types have their own set of advantages and drawbacks in terms of performance, cost, and environmental impact.

## Double-glass bifacial and double-glass monofacial modules

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On the other hand, bifacial modules that use a transparent backsheet have some advantages compared to double-glass, such as less weight, less heating capacity, and a manufacturing ...

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