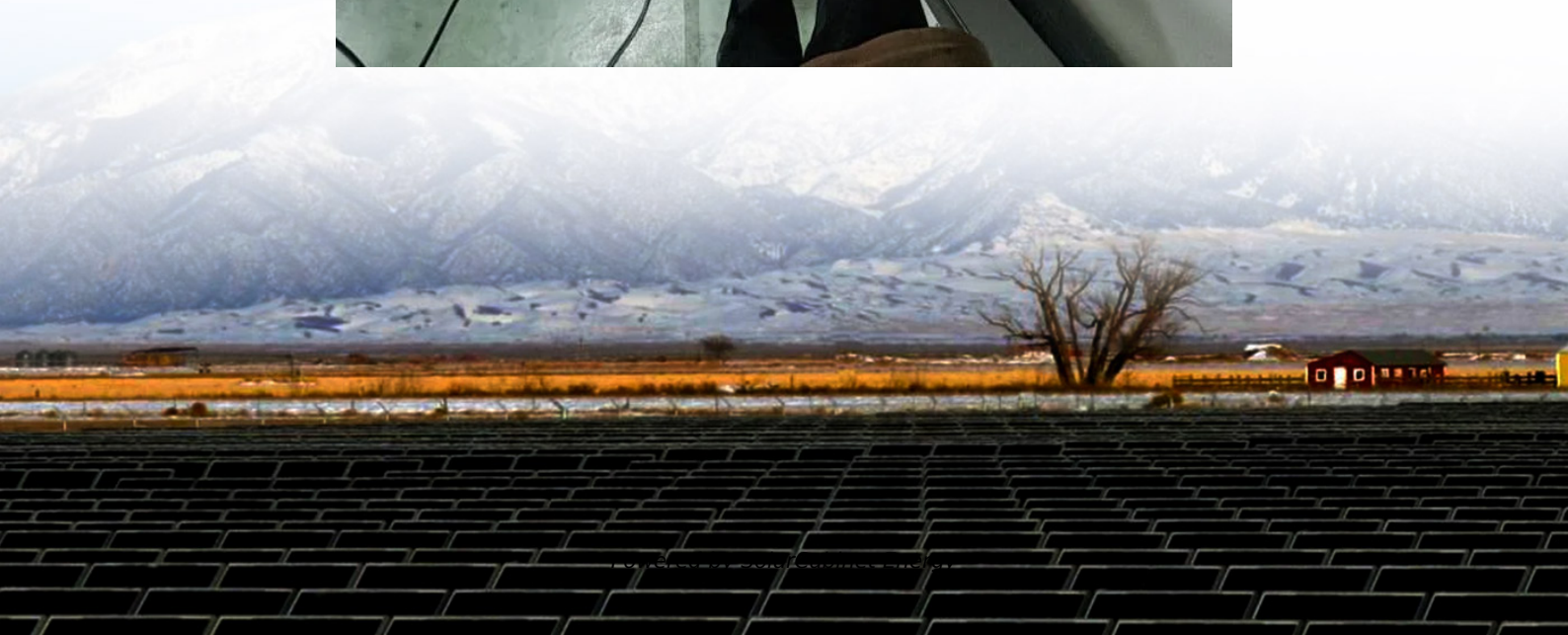


Photovoltaic double-glass module specifications





Overview

What is a double glass (Dual Glass) solar panel?

A double glass (Dual Glass) solar panel is a glass-glass module structure where a glass layer is used on the back of the modules instead of the traditional polymer backsheet. Double glass solar panels were originally heavy and expensive, but the lighter polymer backing panels gained most of the market share.

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 are the benefits of double glass module design?

Double glass module design enables extended lifetime with 12-year product warranty and improved 30-year performance warranty¹. Long-term yield security with Anti LeTID Technology, Anti PID Technology², Hot-Spot Protect.

What is a double glass module?

The double glass module design offers not only much higher reliability and longer durability but also significant Balance of System cost savings by eliminating the aluminum frame of conventional modules and frame-grounding requirements. The application of double-glass modules covers multiple markets including utility, residential and commercial.

What is a double-glass solar module?

ABSTRACT: Double-glass modules provide a heavy-duty solution for harsh environments with high temperature, high humidity or high UV conditions that usually impact the reliability of traditional solar modules with backsheets



material.

Are double glass modules better than traditional modules?

Compared to traditional modules with backsheet, modules with double glass are stronger and more durable, presenting less degradation due to thermal cycling stress. Results from the thermal cycling test up to 400 cycles show about 35% to 43% less degradation with double- glass modules than with traditional modules with backsheet (Fig. 3).



Photovoltaic double-glass module specifications



[JA Solar PV Bifacial Double-glass Modules Installation Manual](#)

Modules have no on/off switch. Modules can be rendered inoperative only by removing them from sunlight, or by fully covering their front surface with cloth, cardboard, or other completely ...

Contact Us

For catalog requests, pricing, or partnerships, please visit:
<https://www.legnano.eu>