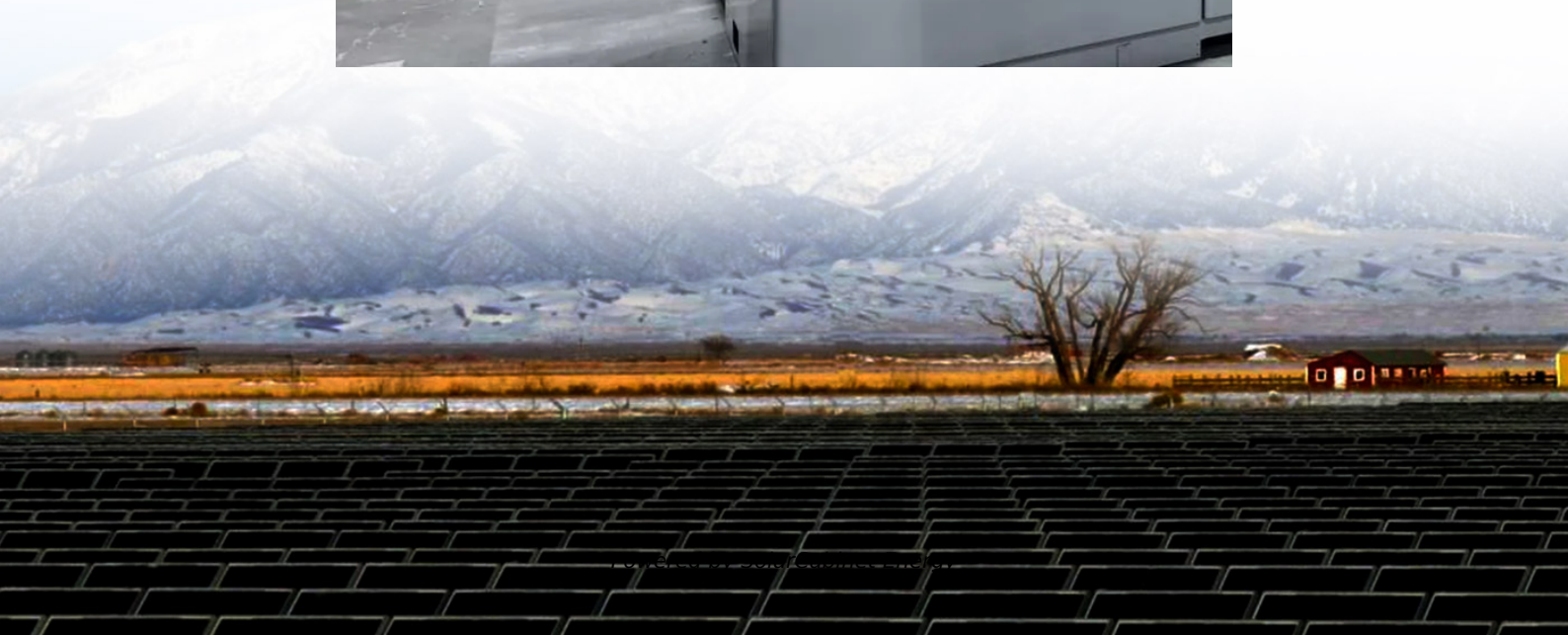


Double glass module specifications and dimensions





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 the thickness of a glass module?

The thickness of the front glass generally used for this type of structure is 3.2 mm. 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.

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.

Are bifacial double-glass modules a good choice?

There has been a noticeable shift from the initial single-facial single-glass modules to bifacial double-glass modules. Double-glass modules, with their performance in the face of salt mist, high temperatures and high humidity, have won the market's favour. However, this trend is not without its risks.

What is the thickness of a dualsun module?

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. In both configurations, the photovoltaic cells are laminated between the front and rear sides of the



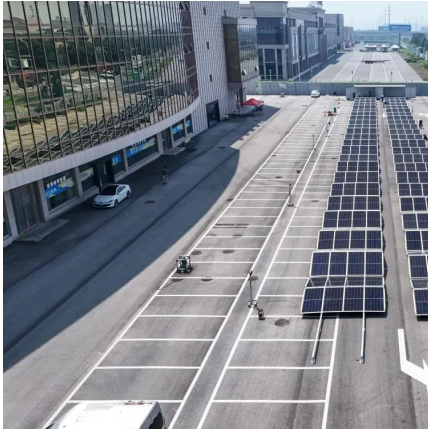
module using an encapsulation material.

How much does a dual sun module weigh?

For example, for a DualSun module with dimensions 1722 mm x 1134 mm, the weight in glass (2.8 mm) - backsheets configuration is 20.0 kg while it is 25.1 kg for bi-glass (2 x 2.0 mm), which corresponds to a weight increase of 25%.



Double glass module specifications and dimensions

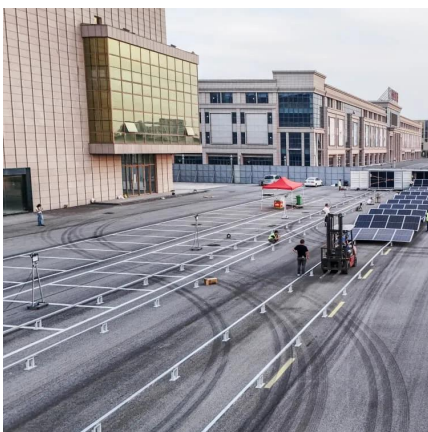


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JA Solar modules can be mounted in landscape or portrait orientation. For the bifacial modules, in order to maintain the energy yield of module rear side, the distance between the bottom of ...

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