

Solar glass base material





Overview

What are solar glass products?

Available with added functionalities, such as transparent conductive coatings or anti-reflective coatings, our solar glass products not only offer durable transparent protection to solar panels, but also become a functional component of solar modules.

Why is solar glass a good choice?

Glass is a durable, highly transparent material making it an obvious choice for solar energy applications. Our extra clear solar glass offers superior solar energy transmittance and is stable under solar radiation. It also survives harsh environmental conditions and protects the sensitive components of solar modules from water and humidity ingress.

What are the characteristics of glass for solar applications?

For solar applications the main attributes of glass are transmission, mechanical strength and specific weight. Transmission factors measure the ratio of energy of the transmitted to the incoming light for a specific glass and glass width. Ratio of the total energy from an AM1-5 source over whole solar spectrum from 300 - 2,500nm wavelength.

What type of glass is used in solar panels?

Solar applications require flat glass. So-called Pattern Glass is mostly used as front glass in crystalline modules, whilst float glass is used for both substrate and back glass in thin-film modules. Molten glass is slowly cooled and fed off from the molten tin.



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Solar Glass

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Discover the technical properties of SCHOTT® Solar Glass: high transmission, radiation protection, surface precision, and stability for lasting performance.



Solar Glass

Solar glass is a specialized low-iron, tempered soda-lime silicate glass, often enhanced with an anti-reflective coating. This combination delivers ultra-high light transmittance, superior ...



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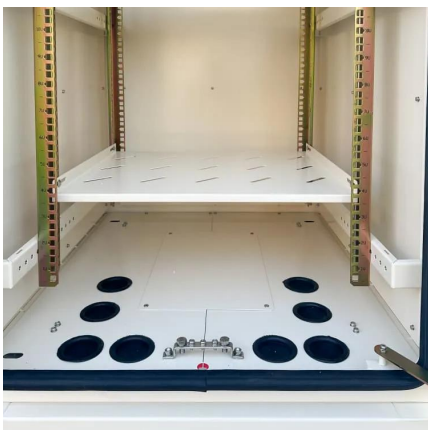
[The Essential Guide to Solar Glass in China's Renewable ...](#)

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Our Range

Glass is a durable, highly transparent material making it an obvious choice for solar energy applications. Our extra clear solar glass offers superior solar energy transmittance and is ...



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Base-line commercial glass has a solar transmission of 83.7%. I.e. 16.3% of the sun's energy do not even get to the PV material. The energy loss is due - in equal parts - to reflection on the ...



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