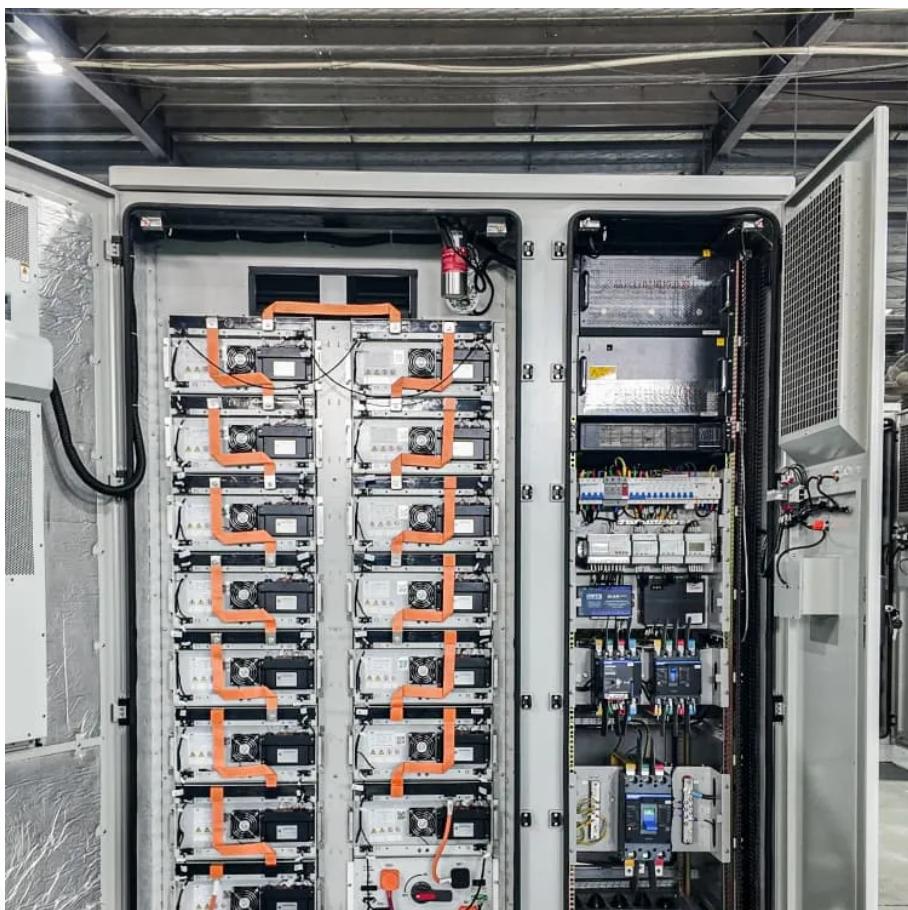




LLSE CONTAINERS

Comparison of solar glass transmittance 20 and 40





Overview

What is solar energy direct transmittance (Te)?

Solar Energy Direct Transmittance (Te, %) is the percentage of incident solar energy in the wavelength range of 300 nm to 2500 nm that is directly transmitted by the glass. Solar Direct Reflectance Outdoors/Indoors (Re out/in, %) is the percentage of incident solar energy directly reflected by the glass.

What is visible light transmittance?

Visible Light Transmittance (Tv, %) is the percentage of incident light in the wavelength range of 380 nm to 780 nm that is transmitted by the glass. Visible Light Outdoors/Indoors (Re out/in, %) is the percentage of incident solar energy directly reflected by the glass.

How is the transmittance of optical glass measured?

The transmittance of optical glass is measured using double beam spectral photometers from the company Perkin Elmer with special modifications. The standard setup enables to measure within a wavelength region from 250 nm up to 2500 nm. The measurement accuracy over the complete spectrum is about $\pm 0.5\%$.

What is the difference between visible light transmittance and visible light reflectance?

Visible Light Transmittance (Tv, %) is the percentage of incident light in the wavelength range of 380 nm to 780 nm that is transmitted by the glass. Visible Light Reflectance Outdoors/Indoor (Rv out/in, %) is the percentage of incident visible light directly reflected by the glass.



Comparison of solar glass transmittance 20 and 40



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Visible Transmittance

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Visual comparison of the sunlight transmitted ...

A visual comparison of the solar illumination transmitted by the two fibre types is shown in the photo of Fig. 19: plastic fibres supplied a blue ...

...



Differences Between Solar Glass: A Multi-Dimensional Comparison ...

Oct 20, 2025 · The primary goal of solar glass optical design is to achieve a balance between light transmission and energy absorption. High-transmittance solar glass (transmittance > 85%)

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Performance value terms

Solar Factor or Total Solar Energy Transmittance or g-value (g%) is the total solar radiation transmitted by the glass. Shading Coefficient (sc) is Solar Factor divided by 0.87.



Performance GUIDE

Sep 2, 2022 · SHGC is a calculation of glass solar performance and the lower the figure, the better the glass is able to exclude solar radiation and heat. With reference to 5mm grey ...



Transmittance measurements for the different type of glass ...

Aug 19, 2024 · The research shows that the transmittance of the glass thickness is less than 0.9 mm, undergone the chemical strengthening process, reaches 91-92% values in whole UV-VIS

...



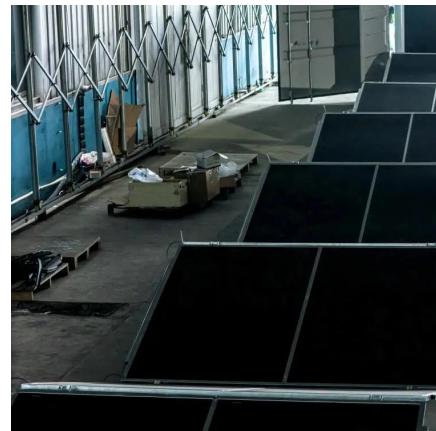
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