EIEI POWER

50 transmittance solar glass

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.

What is visible light transmittance (VLT)?

Visible light transmittance (VLT) is a percentage of the visible portion of the solar energy spectrum coming through the glass. It is expressed as a figure between 0 (no light) and 100 (all light). This value measures the ability of the glass to transmit light and facilitate daylighting.

What is UV transmittance (TUV)?

Ultraviolet (UV) Transmittance (Tuv, %) is the percentage of the incident UV component of the solar radiation in the wavelength range of 280 nm to 380 nm that is transmitted by the glass.

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Solar Transmittance

4 days ago · For those seeking how to choose solar glass that balances performance with transparency, look for models with at least 8% conversion efficiency and a visible light ...

Insulation glass

Insulation glass Solar control Basic principles Principles of solar control Light transmittance LT The light transmittance of a glazing product describes the percentage share of solar radiation ...

What Is Solar Irradiation? Complete Guide To Solar Energy ...

14 hours ago · Learn what solar irradiation is, how it's measured, and why it matters for solar energy. Complete guide with calculations, tools, and real-world applications.

Key Glass Performance Measures

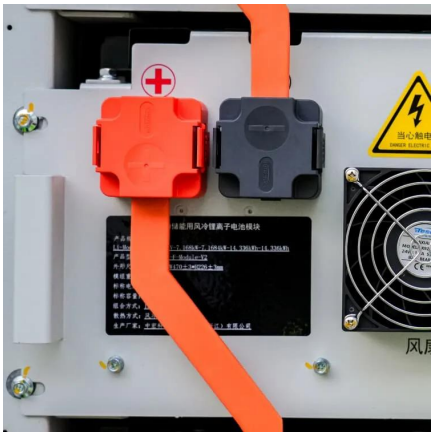
Oct 10, 2024 · Key Glass Performance MeasuresUnderstanding glass performance begins by understanding some key glass performance terms. Generally, the following four terms are ...

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 ...

[Pilkington Solar-E(TM) & Pilkington Solar-E(TM) Plus]

Pilkington Solar-E(TM) and Pilkington Solar-E(TM) Plus are a range of solar control clear or body-tinted coated glass with medium light transmittance, ...



[Pilkington Solar-E(TM) & Pilkington Solar-E(TM) Plus]

Pilkington Solar-E(TM) and Pilkington Solar-E(TM) Plus are a range of solar control clear or body-tinted coated glass with medium light transmittance, low light reflectance, and low emissivity. The ...

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 ...

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. It is a ...

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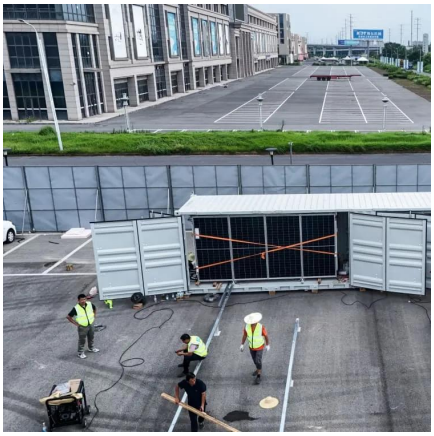
Solar Factor or Total Solar Energy Transmittance or g-value (g%) is the total solar radiation transmitted by the glass. Shading Coefficient (sc) is Solar ...



Highly solar transparent and low-emissivity glass based on ...

Feb 1, 2025 · The developed low-emissivity (low-e) passive insulation composite film demonstrates enhanced spectral characteristics. It achieves a solar transmittance of 0.836 ...

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