

PIENAAR ENERGY (PTY) LTD

Solar glass heat dissipation method



Solar glass heat dissipation method



Fabrication of Thermally Stable Heat-Shielding Coated Glass for Solar

Herein, we present a novel, simple, and low-cost method to fabricate thermally stable heat-shielding coated glass for solar glazing by directly calcining Ce and Sb co-doped SnO₂ ...

[Get Price](#)

Understanding Solar Control Glass 101: A Comprehensive Guide

Solar control glass is made of specially coated or tinted glass that has specific optical properties that allow it to block a portion of the sun's radiant heat energy. This glass reduces the ...



[Get Price](#)



HEAT GAINS and LOSSES : WINDOWS and SKYLIGHTS (Glass)

Shading Coefficient (SC) is the ratio of the solar heat through a given glass type under specific conditions to the solar heat gain through a standard reference unshaded glass that was used to ...

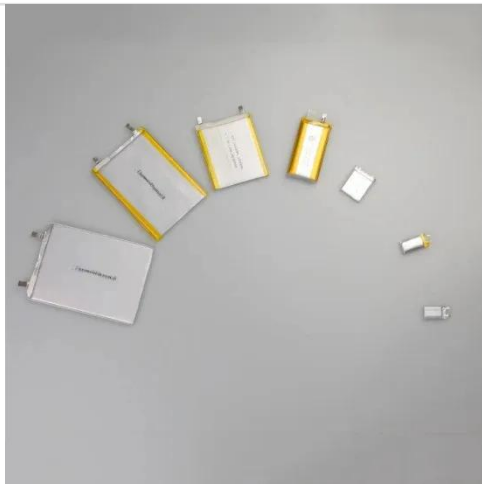
[Get Price](#)

Highly reliable anti-reflection radiative cooling glass applicable to

Herein, an anti-reflection radiative cooling (ARRC) glass for photovoltaic (PV) devices is proposed by multi-layer design. Harnessing the synergy of anti-reflection layers and a transparent ...



[Get Price](#)



Glass Application in Solar Energy Technology

Despite the abundance of solar radiation, significant energy losses occur due to scattering, reflection, and thermal dissipation. Glass mitigates these losses by functioning as a ...

[Get Price](#)

Light and thermal management of the semi-transparent radiative ...

Here, a semi-transparent radiative cooling (ST/RC) glass was proposed by integrating the selective utilization of solar energy and passive radiative cooling.

[Get Price](#)



Application of Heat Insulation Solar Glass for Glass Buildings



In this study, heat insulation solar glass (HISG) module was applied as curtain walls in the experimental house in Taiwan.

[Get Price](#)

(PDF) Comparison of methods to determine the solar heat gain

This paper compares the methods for obtaining the SHGC, which include laboratory measurements using a portable calorimeter, computer simulation using the WINDOW software and ...



[Get Price](#)



Solar control

In hot conditions or for building with high internal loads, solar control glass is used to minimise solar heat gain. It allows sunlight to pass through a window or façade while radiating and reflecting away a large ...

[Get Price](#)

Comprehensive overview of heat management methods for enhancing

It focuses on enhancing PV systems through the use of gallium arsenide (GaAs) thin films and reviews techniques like spectral beam splitting to boost efficiency, particularly in multi-junction PV receivers ...

[Get Price](#)



Contact Us

For catalog requests, pricing, or partnerships, please visit:
<https://pienaarshof.co.za>

