

Highly reflective highly transparent and anti-PID solar glass

Optically anti-reflective and water-repellent glass is required for solar cell covers to improve power-generation efficiency due to transparency improvement and dirt removal.

Optimized material overcomes NIR transmittance and emissivity limitations of traditional low-e coatings. The study provides a universal methodology for material selection in energy-efficient ...

In this study, a superhydrophobic self-cleaning coating with an anti-reflective (AR) effect on the glass surface was developed by the sol-gel method.

In this research, a 1H,1H,2H,2H-heptadecafluorodecyl acrylate (HFDA) anti-reflection coating (ARC) was introduced as a high-transparent material for encapsulating perovskite solar ...

Borosil Renewables is renowned for its eco-friendly and cutting-edge solar glass solutions. Our solar glass products meet stringent international standards and certifications.

As a DuraMAT project, WattGlass is conducting a fundamental investigation into the physical and chemical interactions that occur between environmental soils and anti-soiling (AS)/anti-reflective ...

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 ...

Our product portfolio features tempered, ultra-clear solar glass solutions with anti-reflective coating that diminishes reflectivity and improves light transmission.

Studies have been conducted on MLCs in terms of optical, microstructure, mechanical, and durability properties compared with commercial single-layer AR coatings. The MLCs showed ...

This highly transparent ARC shows great potentials in enhancing the stability of perovskite devices, applicable not only to underwater cells but also extendable to land-based photovoltaic devices.

SOLAR PRO.

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