GermanSolarZA

Dual-glass dual-core components

Overview

What is a dual glass module?

Our dual glass modules use the same internal circuit connection as a traditional glass-backsheet module but feature heat-strengthened glass on both sides. We produce the back glass with a unique drilling technique that ensures the reliability of both the junction box installation and the module.

Why should you choose a dual-glass module?

From this point of view, the structural design of our dual-glass modules overcomes problems such as the outdoor degradation-induced material aging and the power attenuation that frequently affects traditional backsheets. In addition, our design avoids distinctive weak points in thin-film modules, such as low efficiency and high vulnerability.

What is the bifaciality of a double glass module?

Bifaciality: The bifaciality of double glass modules produces a gain of around 10-11% compared to the power measured on the front panel alone, for TOPCon type modules under so-called BNPI (bifacial nameplate irradiance) test conditions.

Why are double glass modules symmetrical?

Mechanical constraints on cells: the fact that the structure of the double glass modules is symmetrical implies that the cells are located on a so-called neutral line, the upper part of the module being in compression during a downward mechanical load and the lower glass surface being in tension.

Dual-glass dual-core components

Ultra-bandwidth polarization splitter based on soft glass ...

Keywords: Dual-core photonic crystal fiber Soft glass Polarization splitter (DC-PCF) is designed in this paper, which is analyzed through the finite element method (FEM). ...

Get Price

Complex Study of Ultrafast Dual Wavelength Nonlinear ...

Effective all-optical switching using dual-core fibers is studied both experimentally and theoretically. C-band femtosecond pulses are switched by synchronized shorter ...

Dual-Core Spacing Cylindrical Fiber Glass Ferrules For ...

The dual-core spacing cylindrical fiber glass capillary are precision-engineered optical components made from high-purity quartz, used for advanced optical communication systems. ...

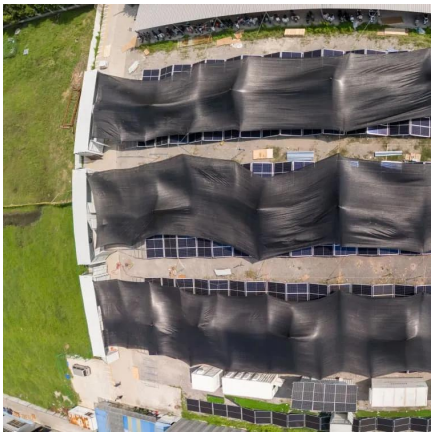
Get Price

Dual-Core Fibers

We systematically present experimental and theoretical results for the dual-wavelength switching of 1560 nm, 75 fs signal pulses (SPs) driven by 1030 nm, 270 fs control ...

Get Price

Get Price



Coupling properties of asymmetric high index contrast soft glass dual

In this study, we investigate the impact of asymmetry and excitation wavelength on the coupling properties of soft glass dual-core optical fibers. Recent technological ...

Get Price

Multi-band Ge20Sb15Se65 dual-core photonic crystal fiber ...

In this paper, a novel multi-band Ge20Sb15Se65 glass-based dual-core photonic crystal fiber polarization beam splitter (DC-PCF PBS) with filled liquid crystal has been ...

Get Price

Dual-glass vs glass-backsheet: The winning ...

Our dual glass modules use the same internal circuit connection as a traditional glass-backsheet module but feature heat-strengthened glass on both sides. We produce the back glass with a ...

Get Price

What are the advantages of dual-glass Dualsun modules?

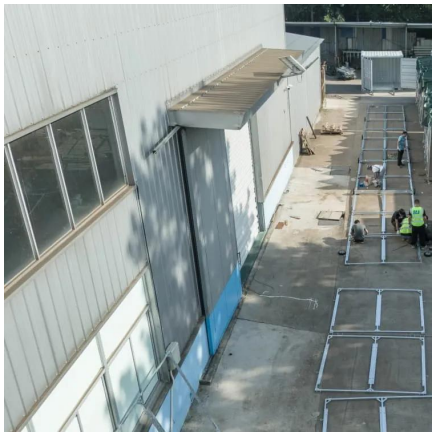
Glass-polymer film (also called glass-backsheet) type modules. They are made of glass on the front side and polymer film on the rear side. Polymer film, also known as ...

Get Price

Custom Dual Core Glass Ferrule for Sm mm Pm Optical Fiber

Custom Dual Core Glass Ferrule for Sm mm Pm Optical Fiber, Find Details and Price about Glass Ferrule Fiber Capillary from Custom Dual Core Glass Ferrule for Sm mm ...

Get Price



Dual-glass vs glass-backsheet: The winning formula for ...

Our dual glass modules use the same internal circuit connection as a traditional glass-backsheet module but feature heat-strengthened glass on both sides. We produce the ...

Get Price

Glass Core Technology

Samtec's proprietary Glass Core Technology leverages the performance benefits of glass to enable performance optimized, ultra-miniaturized substrates for next generation designs.

Get Price

Contact Us

For catalog requests, pricing, or partnerships, please visit: https://germansolar.co.za

Scan QR Code for More Information

https://germansolar.co.za