

A-Core Container

Double-glass modules and monocrystalline silicon wafers



Overview

What is a 210mm silicon wafer?

The product combines 210mm large-size silicon wafers with PERC, multi-busbar, half-cut and improve the energy density of the module with high-density cell interconnect technology and bifacial technology. The bifacial layout brings greater power, and the maximum backside gain is up to 25%.

What is a double glass c-Si PV module?

Recently several double-glass (also called glass-glass or dual-glass modules) c-Si PV modules have been launched on the market, many of them by major PV manufacturers. These modules use a sheet of tempered glass at the rear of the module instead of the conventional polymer-based backsheets. There are several reasons why this structure is appealing.

Who makes 182 N type bifacial double glass module series?

182 N type Bifacial Double Glass Module Series offered by China manufacturer ZNSHINE PV-TECH Co.,Ltd. Buy 182 N type Bifacial Double Glass Module Series directly with low price and high quality.

Are double-glass PV modules durable?

Double-glass PV modules are emerging as a technology which can deliver excellent performance and excellent durability at a competitive cost. In this paper a glass-glass module technology that uses liquid silicone encapsulation is described. The combination of the glass-glass structure and silicone is shown to lead to exceptional durability.

What is glass-glass module technology?

In this paper a glass-glass module technology that uses liquid silicone encapsulation is described. The combination of the glass-glass structure and silicone is shown to lead to exceptional durability. The concept enables safe module operation at a system voltage of 1,500V, as well as innovative, low-

cost module mounting through pad bonding.

Which silicone encapsulant material was selected for this work?

The silicone encapsulant material selected for this work was Dow Corning® PV-6212 Cell Encapsulant. In contrast to most commercial PV encapsulants, this material is supplied as a liquid, not as a foil. It is dispensed in the liquid form and is cured into a solid by cross-linking during lamination. PV-6212 is a polydimethylsiloxane (PDMS),

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