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 backsheet. 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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