

Title: Double-glass string spacing of solar modules

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... appropriate row spacing between every two consecutive strings is critical and troublesome in order to avoid the shading effect. The illustration of this concept is presented in Fig 1.

Modules have no on/off switch. Modules can be rendered inoperative only by removing them from sunlight, or by fully covering their front surface with cloth, cardboard, or other completely opaque ...

For applications requiring high operating currents several strings of modules can be connected in parallel; the system current is then equal to the sum of the current of each string of modules.

For applications requiring a high operating voltage, multiple modules can be connected in series to form a module string. The system voltage is equivalent to the sum of the voltage of each module.

In order to ensure that the modules can withstand a downward force of up to 5400 Pa (550 kg/m²), the modules shall be fixed on the bracket with the long side of the module, using a ...

1st, 2025 | Applicable for IEC certified products This manual applies to photovoltaic GG modules ("GG modules", also commonly known as Double Glass Modules) manufactured by Yingli Energy ...

Discover how proper string spacing impacts energy output and system longevity in double-glass solar installations. Learn industry best practices with real-world data.

Our findings indicate that reducing cell spacing significantly enhances module efficiency, with additional gains observed from decreasing string and edge spacing, as well as implementing frameless designs.

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