

Glass/Glass - BIPV Module



Overall Technological advantages:

- ✘ Edge-sealing technology for superior durability (cell protection against negative atmospheric impact).
- ✘ 30 year product warranty.
- ✘ 30 year linear warranty at 80% performance
- ✘ Back glass instead tedlar guarantees better heat dispensing. Glass is better thermal conductor than plastic. This ensures higher module efficiency in hot climate zones (compared with conventional modules).
- ✘ PVB instead of EVA 100% eliminates PID (potential induced degradation) at cell level. Also PVB lamination foil absorbs wider light spectrum from 280 nm instead of standard 330 nm.

Mounting:

- ✘ Glass/Glass frameless modules are mounted using clamps , It does not require special skills for installers. or can be applied with special adhesive directly on frame.

Technological advantages in Detail:

Ultra-thin 2 mm front glass:

- ✘ Up to 2 % higher YIELD effected due increased light transmission.

PVB bonding:

- ✘ Up to 4 % higher YIELD ensured of wider light spectrum utilisation (starts at 280 nm versus 320 nm (EVA)
- ✘ Up to 50% lifetime increase influenced by PVB absorption of UV- B and UV-A which significantly important to ensures long performance of semiconductor.

Back side 2 mm thick glass:

- ✘ Up to 50% increased life time due robust protection against UV, moisture, ammonia and salt corrosion

Thermo-sealing edge isolation:

- ✘ Up to 50 year performance life time increase ensured 100% waterproofing at all perimeter of the module.
- ✘ Expected lifetime more than 35 years.

Equal thermal shrinkage of the encapsulation materials:

- ✘ No cell breakage ensured by tantamount material design. Withstands higher stress coursed by fluctuations of temperature (day / night), heavy loads and strong winds.

Frame-less

- ✘ Increased YIELD of the module and PV power station due eliminating negative impact of dirt, sand and snow that commonly stopped by the module frame.

Disclaimer : Due to constant quality improvement at our R&D center, specifications/models may change without prior notice.

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