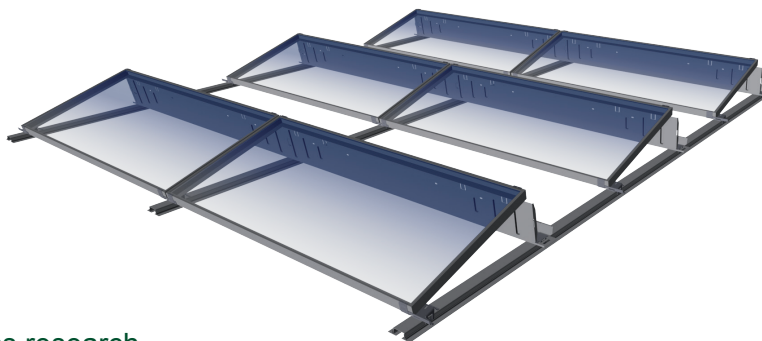


AluGrid

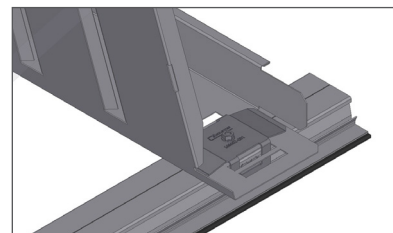
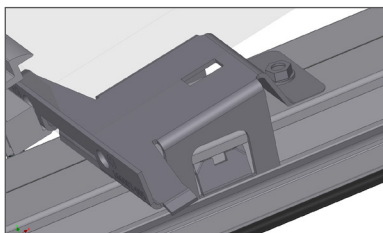
Features and Benefits

- **NOW ETL Classified to UL Subject 2703¹**
- Updated components for easier installation
- Corrosion resistant; made of 100% aluminium
- System design based on the latest wind dynamics research



A roof-friendly option, the AluGrid PV mounting system is designed for quick on-site assembly incorporating snap together designs for flat roof applications. When a high concentration of modules are required, the AluGrid effectively reduces the loading on the roof without compromising safety. Set at a fixed tilt with choice of 10 or 15 degrees, modules are positioned in landscape orientation and clamped using an adaptation of Schletter's grounding Rapid²⁺™ clamps. Schletter also offers a convenient bonding jumper for added ease of bonding between adjacent systems.

Using aluminum alloys provides an essentially indefinite lifespan, even in high UV radiation areas, as well as ensuring approval by building officials and system reviewers.

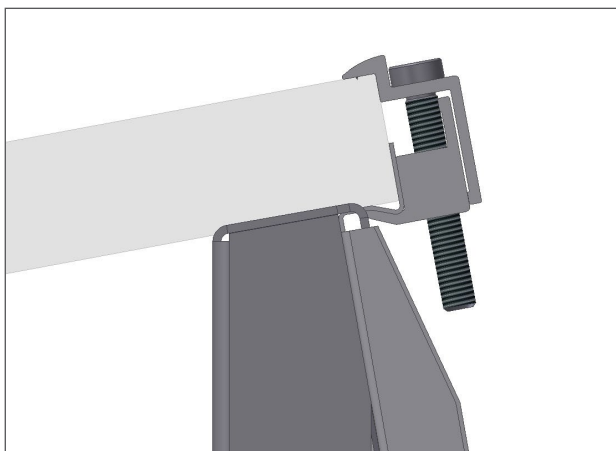


Front module support and rear wind guards are snapped into place and secured using self-drilling stainless steel screws.

Module Clamping

The AluGrid now utilizes a pre-assembled, two-piece clamp equipped with a grounding pin. The grounding pin breaks the anodized surface of the module frame creating an electrical pathway which bonds the modules to the system, without the need for copper wire or grounding lugs.

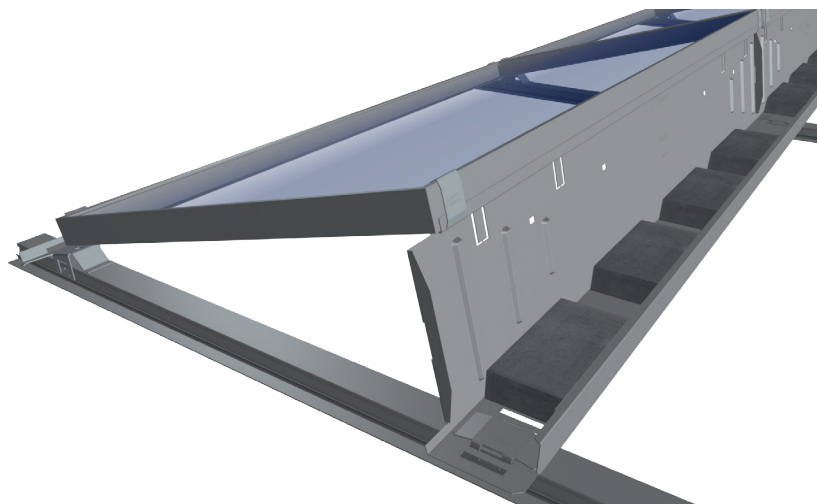
Employing an adjustable design, each clamp covers module thicknesses from 30 – 51 mm and is a key component in achieving ETL Classification of the AluGrid system.



Loading

Easy to obtain concrete pavers are placed in rear wind deflectors, accomplishing three tasks in one: providing ballast to the system at ideal locations, interconnecting rows, and ensuring well distributed transfer of compressive forces to the roof.

In order to avoid potential damage to the flat roof membrane, complete, custom-cut EPDM rubber rolls can be ordered.



AluGrid+™

The AluGrid requires module clamping at the corner edges of the module in landscape orientation. For modules where clamp needs to be placed at the quarter point location, Schletter now offers the AluGrid+. Designed and installed identically to the AluGrid, the AluGrid+ includes a bottom module rail, thereby increasing the module clamping location flexibility.



AluGrid



AluGrid+

Technical Data

Module Tilt:	10 or 15 degrees module tilt options in landscape configuration
Allowable Module Thickness:	30 to 51 mm
Grounding & Bonding:	Conforms to ANSI/UL Standard 1703 and UL Subject 2703, 30 Amp fuse series rating. Application of ETL label required in order to meet compliance. Schletter's Bonding Jumper available for AluGrid only (not AluGrid+)
Structural Analysis	Structural analysis according to the current national standards. Structural analysis attachment on the dimensioning of the number of the required fastening points. Applicable safety regulations should be followed at all times.
Material	Wind deflector and end cap: 5052-H32; Aluminum support beams, structural support and components: 6105-T5 and 6063-T6; Rubber pad: EPDM Shore A; Stainless steel hardware, bolts and washers 304 stainless (A2 or 18-8), nuts 316 stainless (A4); Aluminum hardware clamping devices: 6063-T6; Cable clips and cable duct attachments: PA66 A3K Nylon
Warranty:	20 years
Testing:	Wind tunnel tested by a third party laboratory. ETL Listed to UL Subject 2703

¹ Grounding & Bonding (UL Subject 2703), identified with ETL Listed Mark. See Intertek© ETL Listed Directory for more information.