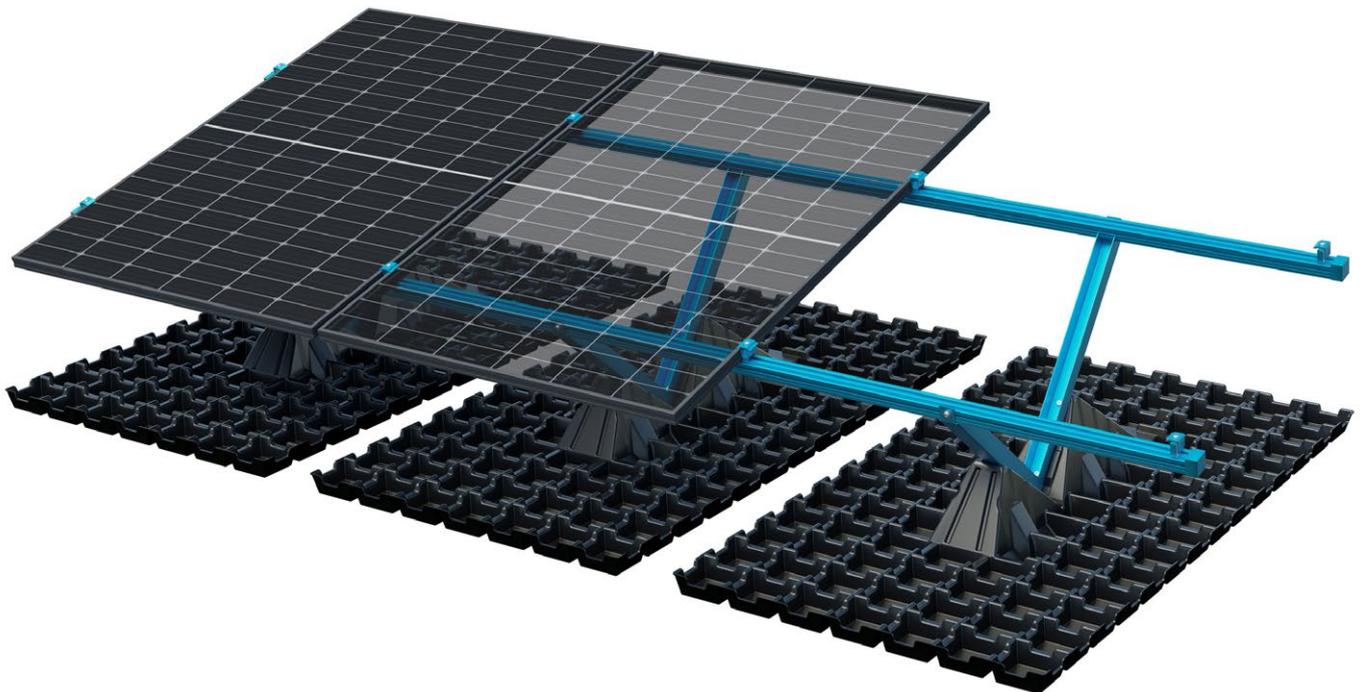




S:FLEX GreenLight

PV mounting system for green roofs



Green roofs and PV – a perfect combination

The S:FLEX GreenLight System is the optimal solution for sustainable energy generation on extensive green roofs.

Thanks to base plates with substrate ballasting and integrated water storage, PV systems can be installed quickly, securely and without roof penetration. The large distance between the modules and the substrate surface prevents heat accumulation and avoids yield losses due to the solar modules being shaded by the plants.

For the best possible use of roof space as well as easy care, inspection and maintenance, we recommend the butterfly assembly variant.

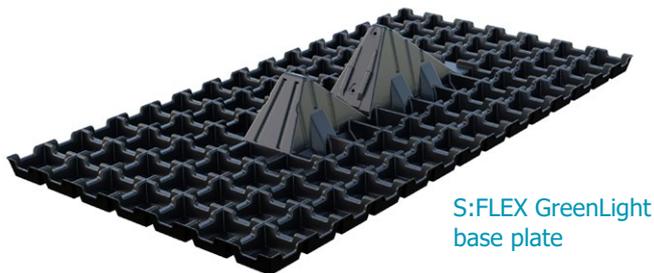
An overview of the advantages:

- Particularly easy and quick to install solution for green roofs
- Water storage volume of 39.5 l per base plate for high water retention
- Modules can be mounted vertically and horizontally
- South and east-west orientation (saddle roof and butterfly assembly possible)
- Available for 3 different inclination angles: 10°, 15° and 20°
- High module distance from the ground for simplified maintenance of the green roof and optimised yields
- Static calculations according to Eurocode and regional standards

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Technical Data



S:FLEX GreenLight ST universal profile



S:FLEX GreenLight Knickfix



End clamp
AK II Klick 30-50 A



Mid clamp
AK II Klick 30-50 A

Application	Green roof (extensive)
Fastening	Ballasted, non-penetrative
Orientation	South / East-West
Module pitch	10°, 15°, 20°
Module orientation	Portrait / landscape
Roof pitch	5° max. ¹
Wind load	Up to 2.4 kN/m ²
Snow load	Up to 4.0 kN/m ²
Compressive strength	Unfilled: > 25 kN/m ² Flush-filled: > 70 kN/m ²
Base plate dim.	1980 x 980 x 60 mm
Components per system unit	1 x base plate, 1 x Knickfix angle bracket, mounting rail, connecting material (screws, rail splice, module and end clamps)
Materials	Magnesium-zinc-coated steel, aluminum, stainless steel and HDPE

¹ 5° to 10° needs case-by-case examination.

NOTE:

Ballast and plate spacing must be calculated according to the wind zone plan by S:FLEX.

