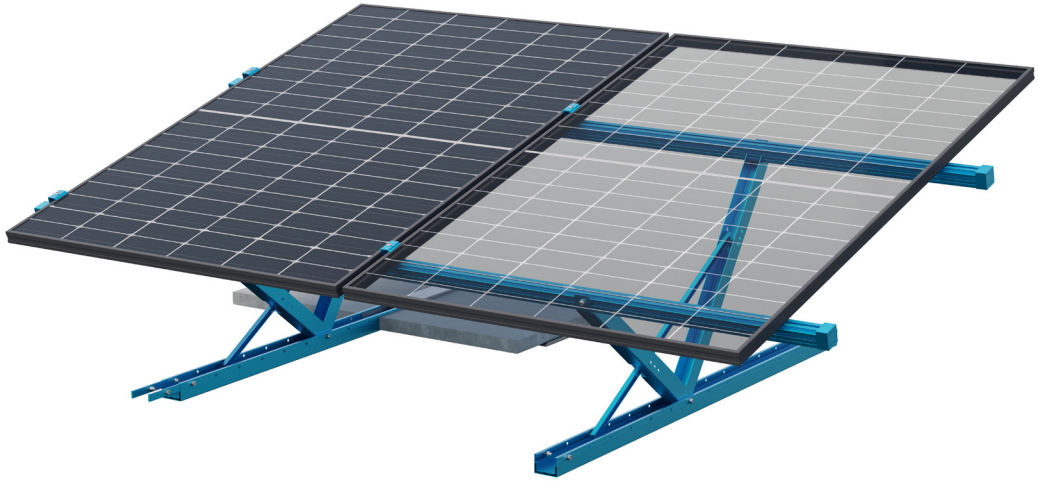
Technical Data

S:FLEX GreenLight ON TOP

PV mounting system for existing green roofs



Green roofs and PV – a perfect combination

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

The composite surface of the substructure enables the system to be installed quickly and stably with only small additional weight. And without the need to penetrate the roof. 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
- No loss of yield due to shading of the plants (module height lower edge at least 30 cm from the substrate)
- 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
- No roof connection required, system is applied onto the existing green or gravel roof

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Application:	Green roof, gravel roof
Fastening:	Ballasted, non-penetrative
Orientation	South / East-West
Module pitch:	10°, 15°, 20°
Module orientation:	Portrait / landscape
Module field size:	24 m connected module
Roof pitch:	5° max. (from 5° release only with case-by-case examination by S:FLEX)
Components per system unit:	1 x floor rail, 1 x elevation Knickfix, mounting rail, connecting material (screws, rail splice, splice floor rail, module and end clamps)
Weight per unit:	9,3 kg, weight without ballast, without module
Materials:	Magnesium-zinc-coated steel, aluminum, stainless steel and galvanized steel

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

S:FLEX GreenLight OT floor rail

S:FLEX GreenLight OT elevation Knickfix

Mid clamp AK II Klick 30-50 A

S:FLEX GreenLight ST universal profile

End clamp AK II Klick 30-50 A