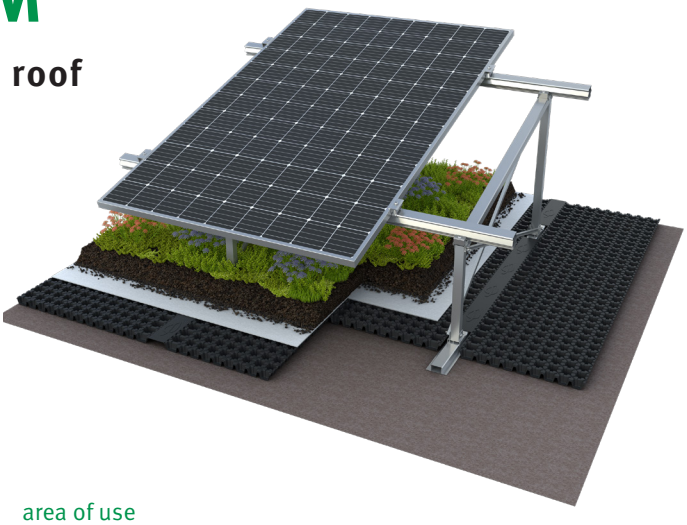
OPTIGRÜN SOLARSLIM

Solar mounting system for a solar green roof



A ballasted solar mounting system integrated into a green roofs enables PV modules or rows of PV modules to be fixed with no roof penetration. IIt is designed for a 15° inclination of the PV moules and is therefore suitable for the installation of PV modules on roof greenings. Suitable for use on roofs with a pitch of up to 5°. Orientation in an east-west configuration.

Material	Aluminium
Dimensions	L 3,500 x W 1,100 mm (per double module field)
Colour	Natural aluminium
Scope of supply	As per order: basic components and optional components
Delivery form	As per order: basic components and optional components
Delivery weight	BSD 140 pcs/box each ~7.7 kg BSE 140 pcs/box each ~7.7 kg BSV 200 pcs/EUP each ~185 kg BGL 15 110 pcs/EUP à ~234 kg CLM 20 pcs/box at ~1.9 kg 2,400 pcs/EUP each ~253 kg MSS 120 pcs/EWP à ~520 kg MVS 10 pcs/box each ~2.6 kg 1,200 pcs/EWP each ~337 kg MSL 120 pcs/EWP à ~425 kg MVL 100 pcs/box à ~2.6 kg 1,200 pcs/EUP each ~337kg MEK 100 pcs/box at ~7.7 kg 6,000 pcs/EUP each ~495 kg MMK 100 pcs/box à ~6.6 kg 6,000 pcs / EUP each ~426 kg

area of use

- For the construction of solar green roofs with extensive vegetation.
- Suitable for roof pitches of 0°–5°
- The complete system must be implemented in combination with Protection and Storage Fleece RMS 500, Drainage and Storage Board FKD 25E, Filter Fleece FIL 150 as well as other green roof components from the manufacturer Optigrün international AG.

special properties

- Stability of the complete system verified in accordance with Eurocodes 1 and 9. A project-specific stability certificate can be provided (free of charge upon receipt of the order)
- Distance from the lower edge of the PV module to the substrate: › 200 mm
- Maintenance walkway at the highest and lowest points of the PV modules
- PV modules are oriented in portrait format
- Orientation in an east-west direction
- Always as a pair of modules
- Module inclination: 15°
- Roof penetration-free installation
- Prevents shading of the PV modules
- Suitable for inverted roofs

Basic components

- BSD - base rail double modul
- BSE - base rails single modul
- BGL 15 - brackets 15°
- MSS - module rail strong
- MSL - module rail light
- MVS - module rail connector strong
- MVL - module rail connector light
- CLM - climber
- MEK - module end clamp set (30–40 mm module height)
- MMK - module middle clamp set (30–40 mm module height)

Required components

- BSV - floor rail connectors

Various module clamps available separately

- Natural aluminium
- Black anodised
- Natural aluminium with equipotential bonding
- Black anodised with equipotential bonding

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The preceding details are guideline values established under laboratory conditions. These values are subject to a certain manufacturing tolerance. The data contained in this product information sheet represents Optigrün's technical knowledge at the time of publication. Optigrün reserves the right to change and update details in accordance with new insights and to modify specified properties accordingly. No liability accepted for misprints.

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