PRODUCT DATA SHEET

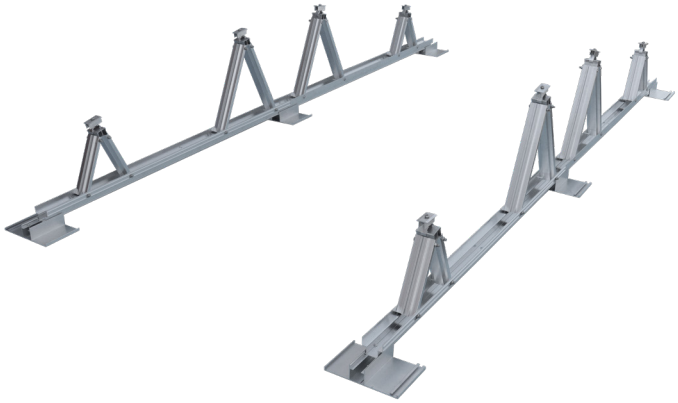
OPTIGRÜN-SOLAR TOP

Retrofit solar mounting system

Load-supported solar mounting with 10° inclination for subsequent, penetration-free installation of PV modules on green roofs. Can be used up to a roof of 5°. Orientation in east-west direction.



Material	Aluminium EN AW 6063 T6
Dimensions	L 3,050 x H 499 mm (per double module unit)
Weight	3.33 kg (each basic set with feet and clamps)
Colour	Aluminium nature
Scope of delivery	According to order: basic components and optional components
Delivery diamensions	100 folded basic sets on a full special pallet: 2,000 x 800 x 1,000 m Further basic and required components according to order scope on Euro pallet
Delivery weight	Basic Set: 100 pcs/sp.-pallet ~300 kg Foot: 20 pcs/carton ~7.8 kg 600 pcs/pallet ~270 kg Module centre Clamp Set: 100 pcs/carton ~6.6 kg 6,000 pcs/pallet ~426 kg Module End Clamp Set: 100 pcs/carton ~7.7 kg 6,000 pcs/pallet ~495 kg Ballast Clip: 100 pcs/carton ~5.6 kg 3,000 pcs/pallet ~200 kg Ballast Profile: 126 pcs/Crate ~310 kg Crate: L 1,700 x W 800 x H 1.020 Cross Plate Set: 50 pcs/carton ~2.17 kg 6,000 pcs/pallet ~320 kg



Area of use
- Subsequent installation of solar elevations on existing, extensive green roofs with parapets
- Can be used for roof pitches from 0°-5°

Specific properties
- Distance from lower edge of PV module to substrate: approx. 30 cm
- Maintenance walkway at the high and low point of the PV modules
- PV modules are aligned in landscape
- Clamping on the short side of the module frame
- Alignment in east-west direction
- Always as a double module system
- Ballasting with paving stones (20x10x6 cm á 2.6 kg) and paving slabs (40x40 cm á 14.4 kg) possible
- Module inclination: 10°
- Roof penetration-free installation
- Avoids shading of the PV modules
- Can be used on existing green roofs on all roof constructions
- The necessary load is calculated with the help of DIN EN 1999-1-1 in combination with DIN EN 1991-1-4 including an object-related structural analysis of the entire of the overall system.

Basic components
- Basic set
- Foot
- Module centre clamp set (30-40 mm frame height)
- Module end clamp set (30-40 mm frame height)

Optional components
- Ballast clip
- Ballast profile
- Cross plate

Basic Sets (Basic components with different module clamps)
- Item No. 31594: Aluminum nature
- Item No. 31595: black
- Item No. 31596: Aluminum nature with potential equalization
- Item No. 31597: black with potential equalization

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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