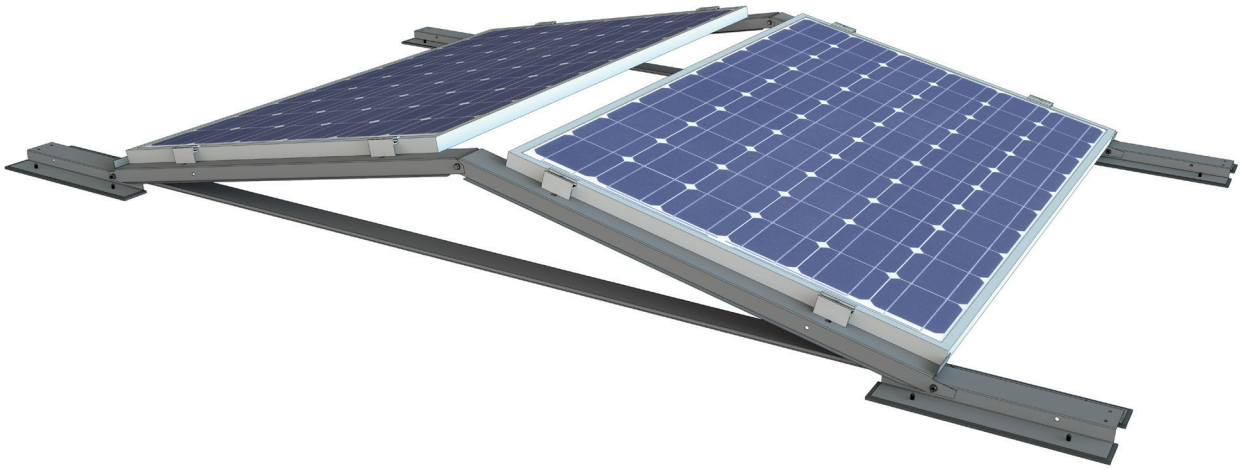
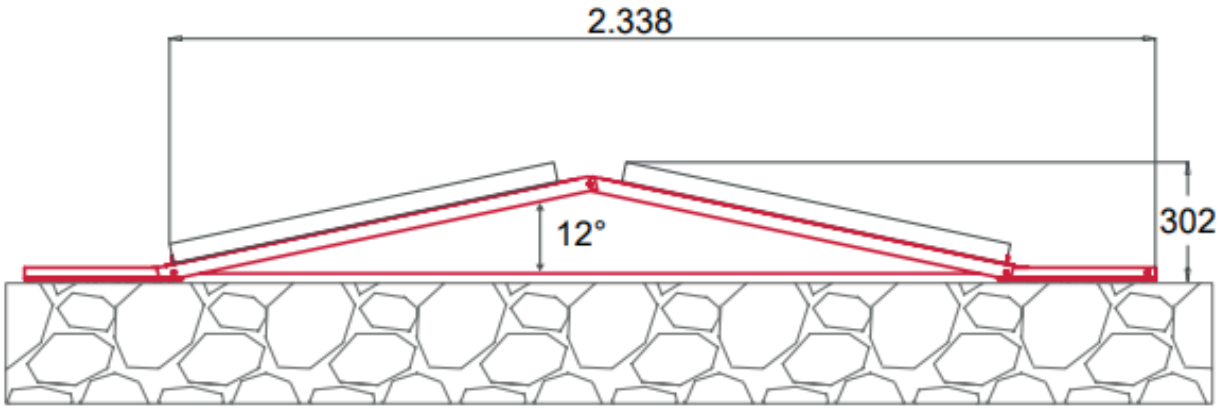
PROFINAL

MONTAGESYSTEME FÜR SOLARTECHNIK

FLAT-ROOF SYSTEMS

DUPLEX ROOF





slope	12°	**weight**	3,5 kg/m²	**area load**	from 10 kg/m² **
Module width	up to 1.050 mm*			**space required**	Ab 8 m²/kWp **

* Special solutions for alternative module widths are possible. System can be used for all module dimensions.

** Depending on the module type, selected shading distance, generator distribution, location and building data, the area requirement and area load may diffe

The east/west solution for flat roofs & roof pitches up to 15°

High quality mounting systems For the biggest impact.

Our mounting systems are the foundation for creating solar energy.

TECHNICAL DATA

Almost ballast-free mounting system

The aerodynamic mounting system duplex roof is particularly suitable for roofs with a low surface load reserve. Its design guides the wind optimally through the system, so this particularly lightweight substructure can be installed almost ballast-free. duplex roof impresses with its unique ease of installation. The system consists of a triangular bracket that is pre-assembled at the factory, so that installation on the roof is extremely easy and completed within a very short time.

Higher yields through efficient roof occupancy

With this east and west facing system, the roof can be optimally utilised as there are no shading distances. This results in higher yields for the system operators. Duplex roof ensures significantly more even yields and impresses with an outstanding price/performance ratio.

- » Tested in the wind tunnel and aerodynamically optimised
- » especially suitable for roofs with low surface load reserve
- » Highest degree of pre-assembly
- » Roof tightness guaranteed
- » Quick assembly saves time and money
- » Optimised freight and storage costs thanks to small dimensions: up to 50 kWp with 2.8 m x 1 m packing size
- » UV, wind and corrosion resistant
- » Water drainage guaranteed in all directions

Range of application	Flat roof, slightly sloping roofs
Roof orientation	east/west
Roof covering	Foil, bitumen, gravel, greenery, sheet metal, especially also trapezoidal sheet metal
slope	0° - 15°, depending on wind zone and terrain category
PV-modules	lie continuously on the short side and are clamped there
Roof connection	Auflage ohne Dachdurchdringung, Dachdichtheit wird durch Montagesystem nicht beeinträchtigt
Building protection	Building protection mats specially suited for the respective substrate, already prefabricated, mechanically attached
Statics	Static test according to DIN EN 1991-1-1 (live load) and DIN EN 1991-1-3 (snow load). DIN EN 1991-1-1 to 4 correspond to EUROCODE 1
Wind load verification	Stability tested by wind tunnel test I.f.I. Institute according to DIN EN 1991-1-4 and thereby determined equivalent load values.
Lightning protection	Requirements for integration into the lightning protection (or equipotential bonding) are fulfilled (e.g. VDE 0100 part 712)
material	Galvanised sheet steel
fasteners	Screws and nuts made of stainless steel VA
Assembly time	10 kWp/man hour (duplex roof including module)
Product guarantee	10 years

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