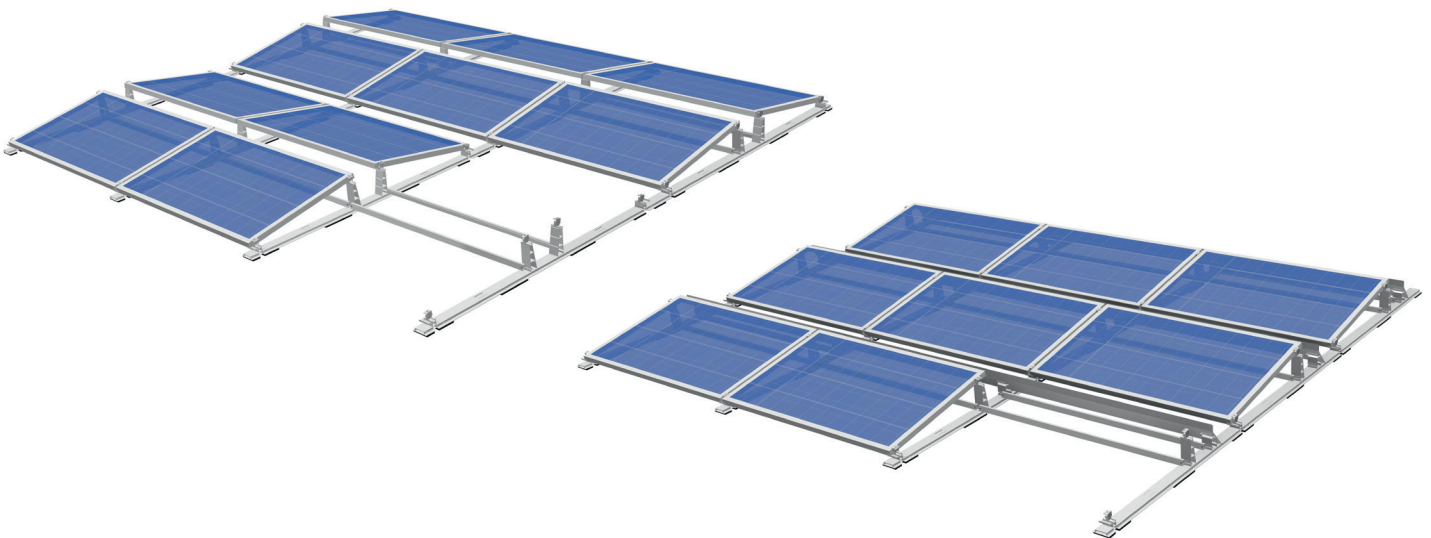




LEICHTmount RAIL 2.0 S/EW

Aerodynamic flat roof system for southerly and east/west orientation



Low ballast flat roof mounting systems with General Technical Approval

Aerodynamic, lightweight and totally wind-safe construction without roof penetration: The S:FLEX LEICHTmount RAIL mounting system for framed PV modules is the ideal solution for flat roofs (up to a maximum pitch of 5°) – even with low load-bearing capacities.

Both the S system for traditional southerly orientation and the EW option, which maximises the usable space, are extremely efficient. Thanks to the minimal and pre-assembled components, which for the most part simply click securely together, assembly is easy, efficient and quick. No complex measuring, no drilling on the roof.

In addition to the wide support contact areas and the thick, pre-attached foam rubber pads on the base structure, removing the need for drilling screws, sharp-edged components and tools means extra protection and less risk of hurting the roof skin.

An overview of the advantages:

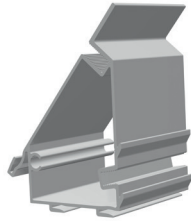
- Very lightweight system with extremely low surface load and General Technical Approval
- Roof connection without roof penetration
- Reduced ballast due to systematic aerodynamic optimisation
- Independently tested for wind safety according to German and US standards
- Shortest installation time thanks to fewer components, click connections and only one necessary tool
- Optimum load distribution and application thanks to the 115 mm wide support contact areas of the base structure on the roof skin
- Foam rubber pads (11 mm) are firmly pre-attached to protect the roof skin and prevent the migration of plasticisers
- Optimised ventilation for maximum energy yield
- Unobstructed roof drainage in accordance with DIN 1986-100
- Integrated cable ducts and covers included in the price. These make cable routing possible even after system installation without additional expense or effort

LEICHTmount RAIL 2.0 S/EW

Aerodynamic flat-roof system

Technical Data

LEICHTmount RAIL 2.0 S
Tower wind shield



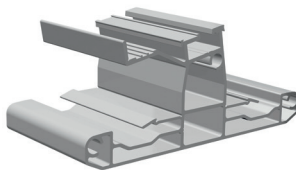
LEICHTmount RAIL 2.0 S
Ground rail with Base



LEICHTmount RAIL 2.0
Tower



LEICHTmount RAIL 2.0 EW
Base



LEICHTmount RAIL 2.0 EW
Ground rail



LEICHTmount RAIL 2.0 S

Application	Flat roof with foil, bitumen, gravel, green roof, metal, concrete, open spaces
Module orientation	South
Inclination	10° / 15°
Module size (LxW)	1570 – 2005 mm x 990 – 1050 mm ¹
Fastening	Non-penetrative
Area load	Approx. 10 kg/m ²
Roof inclination	5° max.
Edge clearance	Installation in the roof edge and corner regions is possible
Wind load	Up to 2.4 kN/m ²
Snow load	Up to 5.4 kN/m ²
System size	2 modules min. / max. area size 20x20 m

LEICHTmount RAIL 2.0 EW

Application	Flat roof with foil, bitumen, gravel, green roof, metal, concrete, open spaces
Module orientation	East–West
Inclination	10° / 15°
Module size (LxW)	1570 – 2005 mm x 990 – 1050 mm ¹
Fastening	Non-penetrative
Area load	Approx. 15 kg/m ²
Roof inclination	5° max.
Edge clearance	Installation in the roof edge and corner regions is possible
Wind load	Up to 2.4 kN/m ²
Snow load	Up to 5.4 kN/m ²
System size	2x2 modules min. / max. area size 20x20 m

¹ Other module sizes and spacing dimensions upon request.