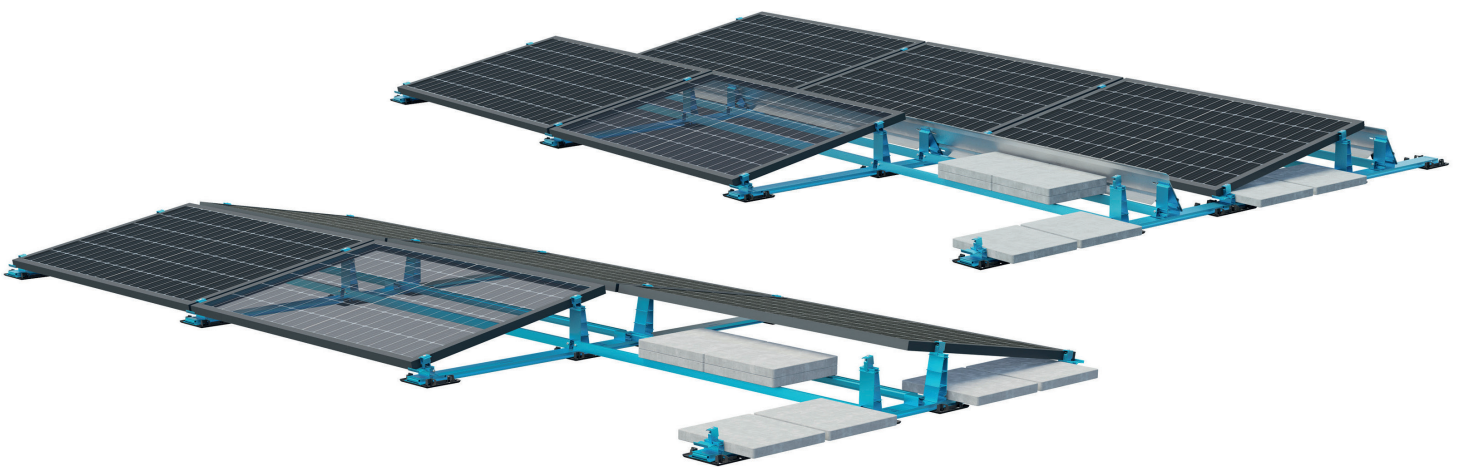




LEICHTmount RAIL 2.1 S/EW

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° (up to 10° upon request) – 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 and no cutting on the roof.

In addition to the wide support contact areas and the new foot plates, attached with a click to 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
- System installation without roof penetration possible
- Reduced ballast due to systematic aerodynamic optimisation
- Foot plates attached with a click to the ground rails to protect the roof skin from plasticizer migration
- Better pressure load distribution by increasing the number of foot plates
- Independently tested for wind safety (German & US standards)
- Optimised ventilation for maximum energy yield
- Integrated cable ducts and covers included in the price. These make cable routing possible even after system installation without additional expense or effort
- A lifeline system can be integrated optionally
- Unobstructed roof drainage in accordance with DIN 1986-100
- Capable of carrying lightning currents in accordance with DIN EN 62561 (VDE 185-561-1):2013-02

LEICHTmount RAIL 2.1 S/EW

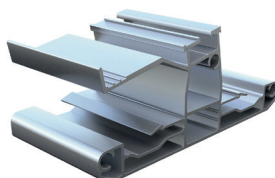
Aerodynamic flat-roof system

Technical Data

LEICHTmount RAIL EW
Ground rail with
foot plates



LEICHTmount RAIL
Base



LEICHTmount RAIL
Tower



LEICHTmount RAIL S
Ground rail with
foot plates



LEICHTmount RAIL
foot plates



LEICHTmount RAIL 2.1 EW

Application	Flat roof with foil, bitumen, gravel, green roof, concrete, open spaces
Module orientation	East–West
Inclination	10° / 15°
Module size (LxW)	1550 - 2400 mm x 985 - 1300 mm (10°) 1550 - 2400 mm x 985 - 1080 mm (15°)
Fastening	Non-penetrative installation possible
System surface load	From 9.5 kg/m ² , incl. module & ballast
Roof inclination	5° max. (up to 10° upon request)
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	max. area size 20 x 20 m

LEICHTmount RAIL 2.1 S

Application	Flat roof with foil, bitumen, gravel, green roof, concrete, open spaces
Module orientation	South
Inclination	10° / 15°
Module size (LxW)	1640 – 2340 mm x 985 – 1300 mm
Fastening	Non-penetrative installation possible
System surface load	From 7.5 kg/m ² , incl. module & ballast
Roof inclination	5° max. (up to 10° upon request)
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	max. area size 20 x 20 m