Technical Data

LEICHTmount CF S/EW

Aerodynamic flat roof system for southerly and east/west orientation

The new-generation flat roof installation system for PV on residential and commercial property

Aerodynamic, light and quickly installed without roof penetration: The S:FLEX LEICHTmount CF fastening system for framed PV modules offers outstanding installation properties at one of the best price/performance ratios on the market – suitable for the conventional southerly orientation and also for maximum area utilisation through an east/west orientation.

The newest version of the LEICHTmount system has been further improved with newly developed fibre pads and height-adjustable module clamps with grounding pins.

The system is patented, wind tunnel tested, and certified in accordance with UL 2703. A full documentation with ballast specifications is included in the scope of delivery.

An overview of the advantages:

- Patented system with optimised static loading characteristics
- Wind tunnel tested according to the latest standards
- Version S available with tilt angle of 5°, 10° or 15°
- Short installation times thanks to a small number of parts
- Includes fibre pads and module clamps with grounding pins
- Low transport and storage costs
- Compatible with a wide variety of roof coverings such as foil, bitumen, gravel, concrete and green roofs (extensive)
- Roof connection possible without penetration
- Also suitable for roof edge zones
- Uneven roofs can be easily compensated
- Problem-free water drainage and good module back-ventilation
- For module frame heights of 30–46 mm
- Certified according to UL 2703, UL 1703 and IEC 61215

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Aerodynamic flat roof system

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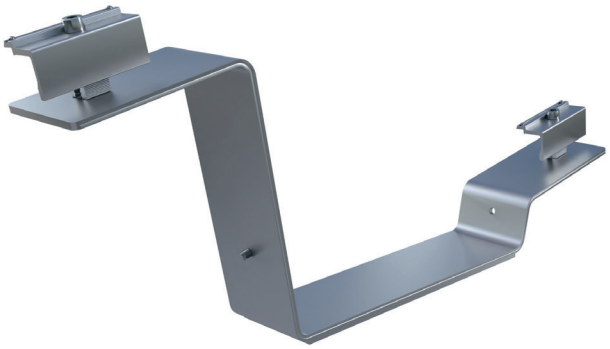
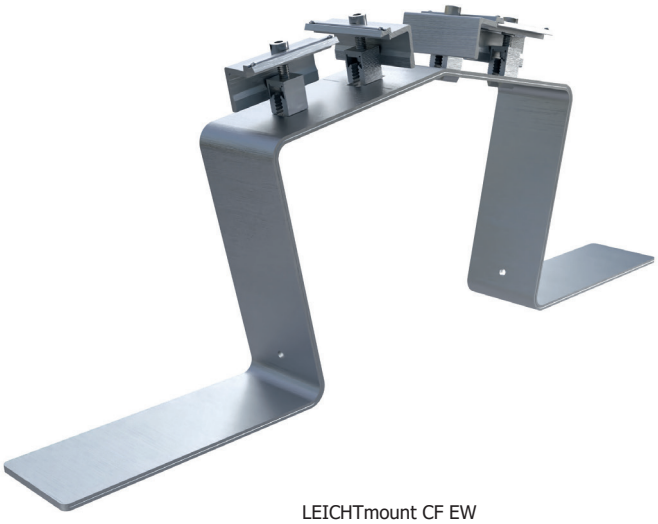


LEICHTmount CF S
Connector with module clamps



LEICHTmount CF EW
Top part with module clamps

LEICHTmount CF S/EW	
Module orientation	South / East-West
Inclination	5°, 10°, 15° (S) / 10° (EW)
Shading calculation area	Inclination 5°: 18° (S) Inclination 10°/15°: 18° or 25° (S) / Inclination 10°: 18° (EW)
Module size (LxW)	1500–2250 mm x 950–1150 mm
Area load (approx.)	10 kg/m² of installed roof area (S) 15 kg/m² of installed roof area (EW)
Building height	25 m max. (adaptation to higher buildings on request)
Roof inclination	Up to 5° possible without roof anchor; Roof anchors are required for angles of more than 5°
Edge clearance	Fitting in the roof edge and corner regions possible
Wind load	Up to 2.4 kN/m²
Snow load	Standard version up to 2.4 kN/m² Alpine version up to 4.4 kN/m²
Module field size	20 m x 20 m max.
Materials	Load-bearing connecting parts made of aluminum EN AW 6060 T64, module clamps made of aluminum EN AW 6063 T66, screws made of stainless steel A2-70, steel wind deflectors with an aluminum-zinc coating, building protection mats made of polyester fleece

Note:
The load-carrying capacity of the roof and roof cladding must be guaranteed and verified.

S:FLEX GmbH Germany • Reinbeker Weg 9 21029 Hamburg Phone +49-(0)40-688 93 17-0 Fax +49-(0)40-688 93 17-99 info@sflex.com www.sflex.com