



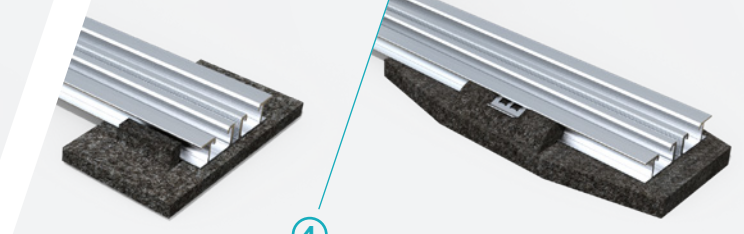
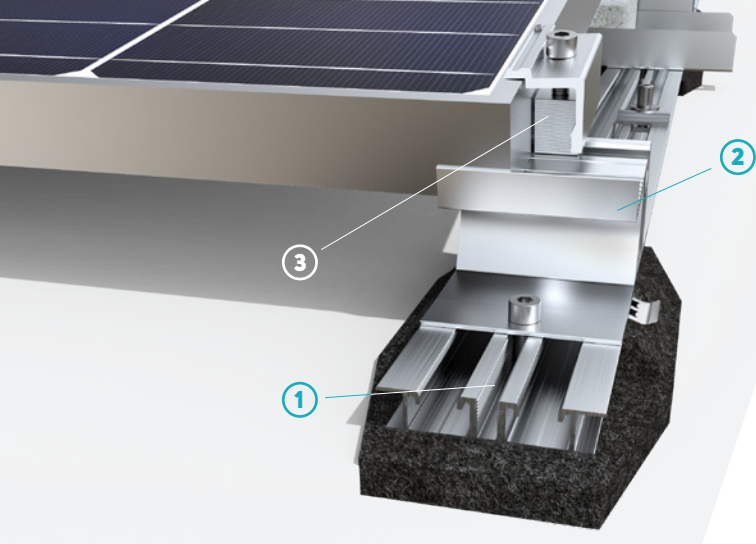
AEROCOMPACT®

COMPACTFLAT SN

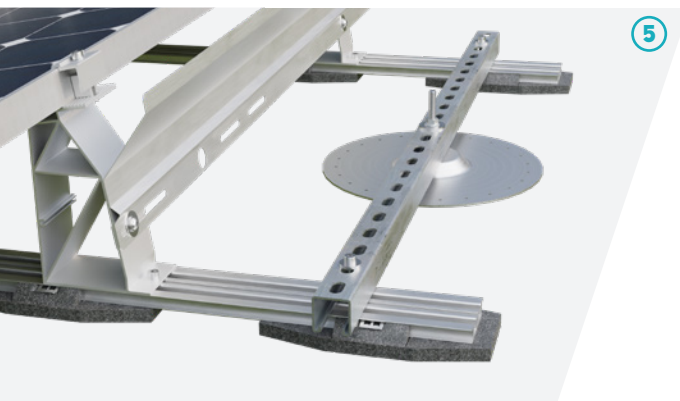
The CompactFLAT SN is a flexible, rail-based, modular system that can be used for different flat roof applications and offers short-side and long-side clamping. The same components are used for the south-facing system CompactFLAT SN10 as for the east / west system CompactFLAT SN10plus.

- **SUITABLE FOR HIGH WIND AND SNOW LOADS**
- **CLAMPING FROM 30 – 46 mm INFINITELY VARIABLE**
- **APPROVED FOR ALL PV MODULES**
- **LONG AND SHORT SIDE CLAMPING**
- **LOW POINT LOADS**
- **FOUR SYSTEM VARIATIONS**



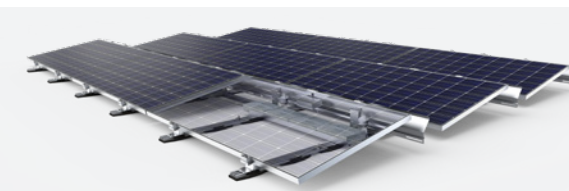


- ① Continuous M8 screw channel for flexible mounting of components and accessories
- ② Front foot with integrated stop for fast positioning of the modules
- ③ Universal Click Clamp with infinitely variable adjustment to fit the PV module thickness (30 – 46 mm), incl. integrated grounding pins.
- ④ Premium Pads for best building protection and horizontal compensation
- ⑤ The optionally available anchor fixation impresses with its simple assembly and flexibility. It allows a large number of anchor positions and thus speeds up assembly. Due to the direct screw connection to the rails, high loads are not a problem.



THE VERSIONS

On load-bearing roof coverings at locations with low to moderate snow loads, the framed modules can be clamped on the short side, which not only is cost-effective but also saves material. The system can be installed with longitudinal screw channels, standard screws and low ballast. For roof coverings with lower load-bearing capacity, high wind and snow loads and large modules, clamping on the long side is the perfect option.



COMPACTFLAT SN10 long-side clamping



COMPACTFLAT SN10PLUS long-side clamping

IT'S YOUR CHOICE



COMPACTFLAT SN10 short-side clamping



COMPACTFLAT SN10PLUS short-side clamping

AERODYNAMIC. FLEXIBLE. TESTED.

Stable and safe

Thanks to its long-side clamping, CompactFLAT SN withstands the highest snow and wind loads. Maximum safety is ensured by extensive tests conducted in the wind tunnel at wind speeds of up to 250 kilometres per hour and by AEROCOMPACT®'s 25-year product warranty. The integrated building protection pads minimize point loads, compensate for horizontal movements and ensure that water can drain away easily. The "Premium Pads", available optionally, offer additional protection for particularly soft insulation surfaces. There is no need for adhesive bonding because they can be attached to the mounting system with clips.

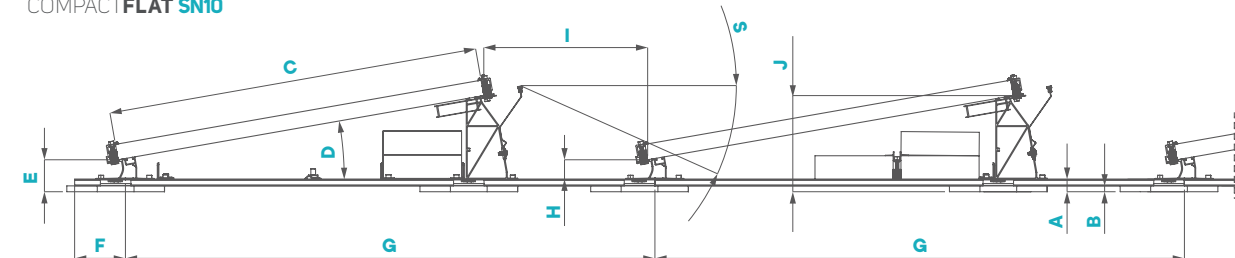
Quick and convenient planning and installation

Innovative mounting methods, such as the longitudinal screw channel, enable the fastest possible installation at the highest level of safety. They also save on additional screw parts. One person, while standing, can pre-assemble the system without modules, thus avoiding downtimes due to delivery bottlenecks, for example. The click clamps help installers mount the rails and modules quickly and effortlessly. The system can be planned and simulated conveniently and easily in a few steps using the free 3D online software AeroTOOL.

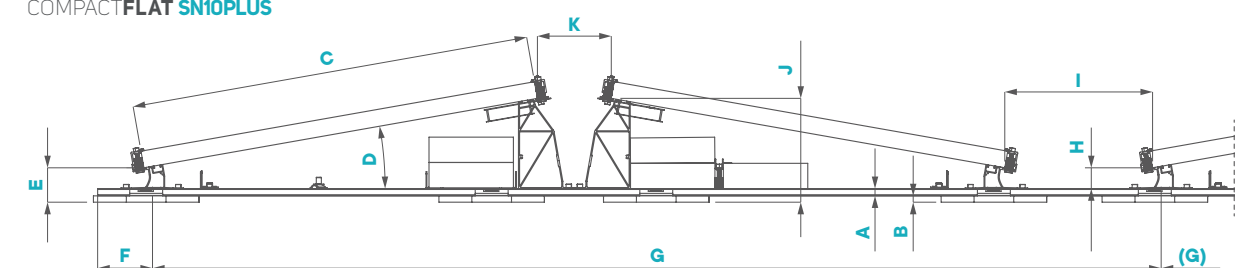
Maximum flexibility

No matter which frame and how many cells: The mounting solution is approved for all common module-types. The universal clamps are infinitely variable in heights between 30 – 46 mm.

COMPACTFLAT SN10



COMPACTFLAT SN10PLUS



	A [mm]	B [mm]	C* [mm]	D [°]	E [mm]	F [mm]	G [mm]	H [mm]	I* [mm]	J [mm]	K [mm]	S* [°]
SN10 short-side clamping	32	15	950 – 1,050	10	77	130	1,355	45	421 – 218	251	-	24 – 45
SN10 long-side clamping	32	15	950 – 1,050	10	82	130	1,355	50	419 – 217	246	-	24 – 50
SN10PLUS short-side clamping	17	15	950 – 1,050	10	77	130	2,390	45	397 – 194	251	122	-
SN10PLUS long-side clamping	17	15	950 – 1,050	10	81	130	2,390	49	344 – 141	246	175	-

* depending on the PV-module dimensions



AEROCOMPACT®

- ONE-MAN INSTALLATION POSSIBLE
- MINIMUM STOCK KEEPING REQUIRED
- ONE SCREW FOR ALL FIXATIONS
- INTEGRATED MODULE POSITIONING AIDS
- TESTED IN WIND TUNNEL
- DEVELOPED IN AUSTRIA

Description	Rail-based mounting system for the elevation of framed PV modules on flat roofs. Optimal load distribution for each insulation material. Arrangement on continuous rails. Pre-assembly also without PV modules. Clamping on the long module side allows high wind or snow loads and the use of large-area PV modules.
Application area	On foil and bitumen roofs with and without thermal insulation under the waterproofing as well as on concrete and gravel roofs.
Module measurements	950 – 1,050 mm * 1,500 – 2,250 mm (width * length)
Installation angle	10°
Distance from roof surface	Approx. 70 mm, on gravel roof possibly less
Distance from roof edge	Without attic 550 mm, with attic height dependent
Max. building height	100 m (adaption to higher buildings on request)
Max. roof pitch	Up to 5° possible without roof anchors, over 5° only with roof anchors
Max. field size	Approx. 20.5 * 20.5 m (approx. 170 pieces of 60 cell modules)
Min. field size	2 modules side by side or one behind the other
Wind load	Up to 1.6 kN/m ² up to 2.4 kN/m ² **
Snow load	Up to 5.4 kN/m ²
Design / proof of stability	Software supported on the basis of wind tunnel investigations (wind load in the system) and construction standards
On-site requirements	A sufficient static load-bearing capacity of the roof construction and the building structure as well as a sufficient pressure load-bearing capacity of the roof structure must be ensured by the customer. The general terms and conditions of business and warranty as well as the user agreement apply.
Components	Module clamps with grounding pins, base rails, supports, cross braces, building protection mats, wind deflectors, ballast stones; optional ballast troughs, roof anchors, grounding and lightning protection clamps, optimizer attachment
Materials	Load-bearing connecting parts made of aluminium EN AW-6063 T66, module clamps made of aluminium EN AW-6063 T66, screws made of stainless steel A2-70, cross braces, wind deflectors and ballast troughs made of steel with corrosion protection coating, polyester fleece building protection mat

** long-side clamping

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