



AEROCOMPACT 2.1 S & AEROCOMPACT 2.1 +

AERODYNAMIC FLAT ROOF MOUNTING SYSTEM

After two very successful years, in which more than 300 MW AEROCOMPACT-Systems were built, now version 2.1 is here.

Beside the usual simplicity and reliability, the new 2.0 version has more distance to the roofing which makes it easier to compensate roof unevenness and to simplify the wire management. It comes with a new ballast tray that can be used for all system types. With this version more ballast can be installed for high wind loads and the point loads are evenly distributed in the case of soft roof insulation.

Another benefit is the new inter-row spacing which is calculated with a 18- or 25- degree sun angle for the optimal roof layout per location. Pre-assembled mounting clips provide additional hold to the attached fleece protection pads with aluminum coating.

YOUR BIG ADVANTAGE

- + quick and easy installation
1 kWp in 5 min. with 2 men
- + more distance to the roofing
- + new ballast tray for all systems
- + module clamps with integrated grounding
- + pre-assembled mounting clips for fleece protection pads
- + less single components
- + corrosion-resistant
- + optimal water drain
- + wind tunnel tested and statically verified
- + examined acc. to „Fire-Test“ UL1703 and load test acc. to IEC 61215 (TÜV-Rheinland)

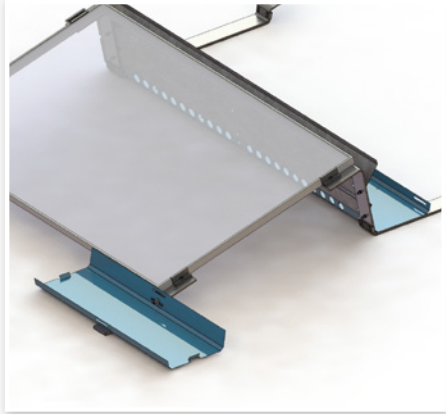


AEROCOMPACT 2.1 S



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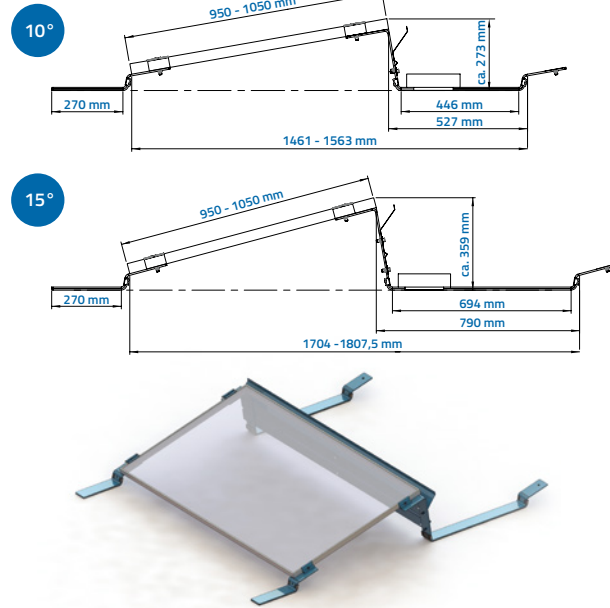




BALLAST TRAY

for all systems

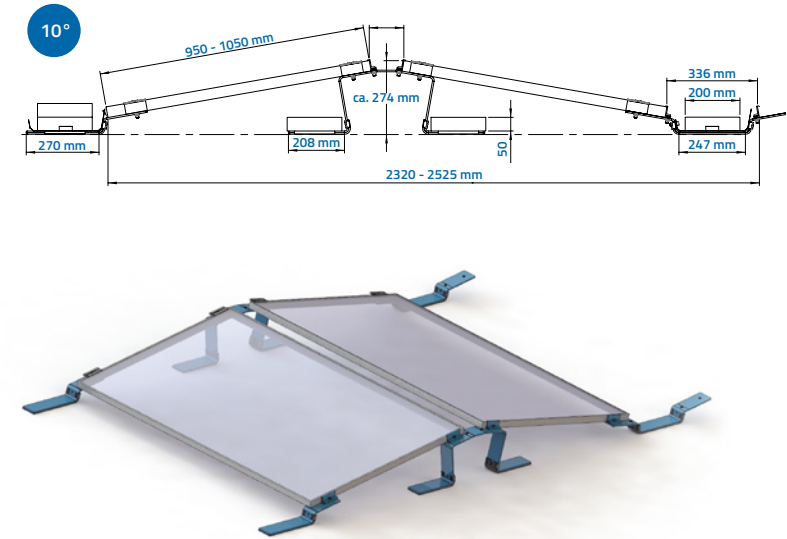
AEROCOMPACT 2.1 S



AEROCOMPACT 2.0 S with shorter row spacing for 25° sung angle available!

AEROCOMPACT 2.1 +

AEROCOMPACT 2.1



TECHNICAL SPECIFICATIONS

Min. load bearing reserve of the roof structure(*):

10 kg/m²

15 kg/m²

Min. system size:

2 rows at 3 moduls / 3 rows at 2 moduls

rows at 2 double-moduls

GENERAL SPECIFICATIONS

Material of flat roof structure:

Aluminium EN AW 6060 and wind-deflector galvanized steel; small parts: A2-70

Standard configuration:

Pressure load up to 2,4 kN/m² (); suction load up tp 2,4 kN/m² (***)**

Alpin configuration:

Pressure load up to 4,4 kN/m² (); suction load up tp 2,4 kN/m² (***)**

For the following module dimensions:

950 – 1050 mm × 1559 – 1982 mm

Edge distance:

Roof area F and G can be used optionally (minimum edge distance: 600 mm)

Roof conditions:

We require the use of a roof insulation with a high load capacity of the type DAA-ds according to DIN 4108-10. Ensure at site that the roof substructure and other affected roof layers have adequate load bearing capacity.

Max. inclination of flat roof:

Up to 4° or up to 5° depending on roofing or with additional security measures

Max. building height:

25 m

Module fixation:

By clamps at the short side of the moduls

Transport volumes:

Approx. 40 KW/range; 700 KW/truck

Accessory:

Earthing clamp for potential equalization, ballast tray, ridge connection for slope over 3°, earthquake protection

(*) The actual required load bearing reserve will be calculated project-related and is depending on the local wind and snow load assumptions (**) Design-value as a load combination from dead load, wind pressure and snow (***) Design-value as a load combination from dead load and wind pressure