

**AEROCOOMPACT®**

**2.0**

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the  
unbeatable  
flat-roof  
solution

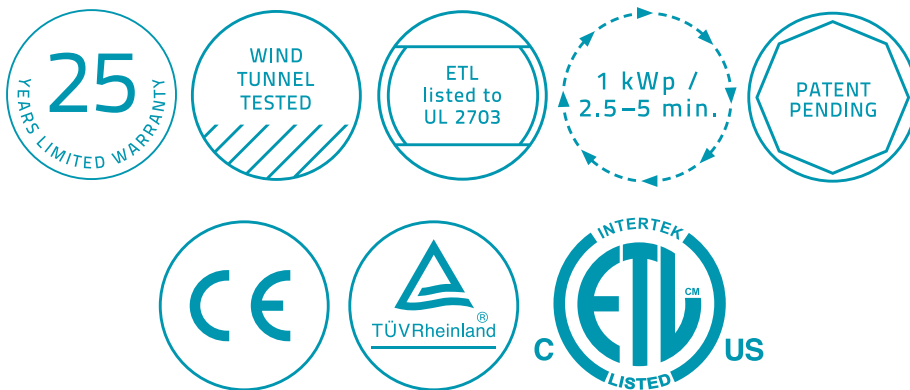
# WELCOME TO THE FUTURE

**Aerocompact 2.0** is our new south oriented aerodynamic racking solution for mounting framed modules on flat roofs.

Like the previous version the **Aerocompact 2.0** is ETL to UL 2703 Standards certified, wind-tunnel tested and is provided with a 25 year limited product warranty. The new system update is now also TUV certified and fire-tested to UL 1703 Standards.



# 2.0



# AEROCOMPACT S



5° / 10° / 15°



## What's new

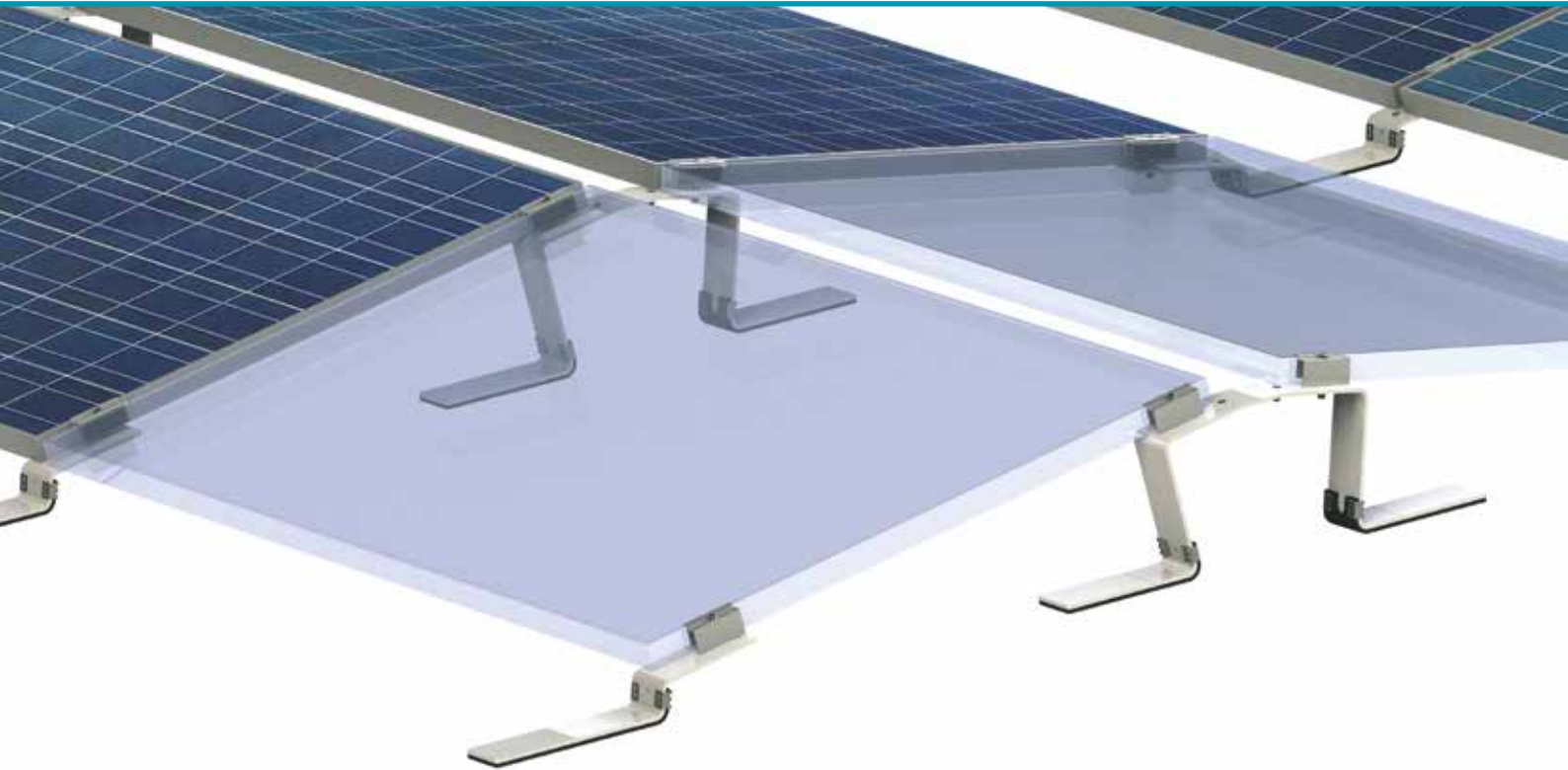
In comparison to the previous system, the new 2.0 version has **more distance to the roof** which makes it easier to compensate roof unevenness and to simplify the wire management.

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.

The international standards for system grounding are now fulfilled through the newly implemented and certified **module clamp with integrated grounding**. Pre-assembled mounting clips provide additional hold to the attached protection pads with aluminum coating.

A newly **optimized alpine version** is now available for all system tilts and is approved up to 4.4 KN Snow load.

# AEROCOMPACT+



## *Same Space / More Modules*

**Aerocompact+** is our east/west oriented aerodynamic solution with 30% less racking costs.

With **Aerocompact+** an assembling time of 3 minutes per Kwp can be achieved. Like the south version it is also covered with our 25 year limited warranty, ETL listing and wind-tunnel report with approval up to 250 Km/h. All mounting brackets will be delivered with attached building protection pads with aluminum coating for the easiest installation.

## BALLAST-TRAY 2.0



### *New Ballast-Tray*

The 2.0 version 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.





# AEROTOOL

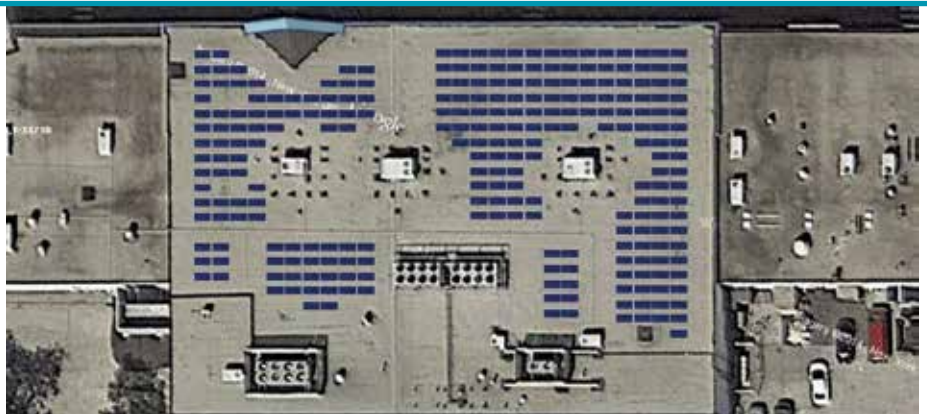
## The unbeatable PV planning software

AEROTOOL is our unique online Software for the Aerocompact system. After collecting all Information you will get a complimentary module layout with simulation of the shadowing, a workable CAD engineering plan, a list of the required materials and a project report for planning and permitting your project. The results are based on the mounting system which you have chosen and on the connected static calculations according to the EN wind load codes. Without ever being on the roof, use Google Maps to generate a layout and consider obstructions like AC units, skylights, ventilation pipes etc.

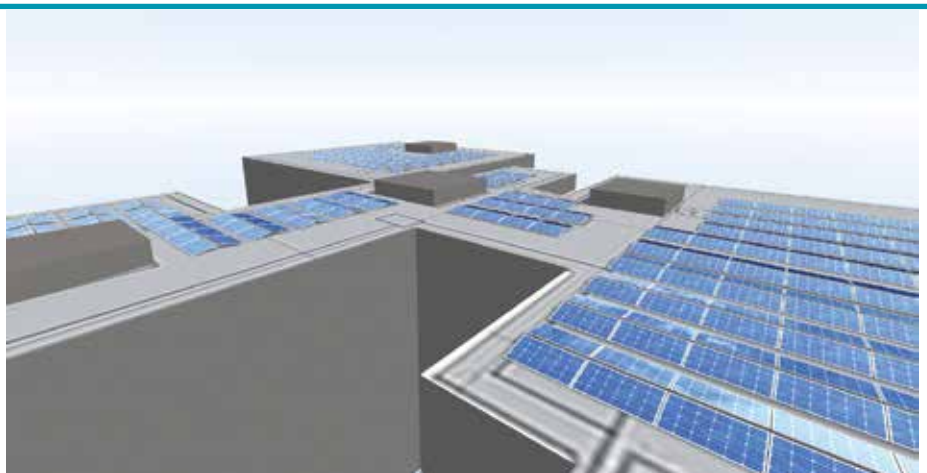
## Your big advantage

- + Google Maps layout and acquiring of the roof measurements
- + Fast and easy data collection and project planning
- + Static calculation according EN code for each project
- + Consideration of shadowing
- + Centralized project management
- + Secured engineering
- + Save resources and minimize mistakes
- + Face and mounting plan for each project
- + Module and installation layout for each project
- + Project specific engineering and material list

## GOOGLE MAPS ROOF LAYOUT



## 3D SIMULATION



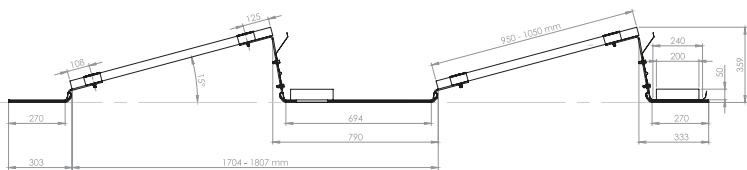
# Unbeatable advantages from the beginning

# Technical Details

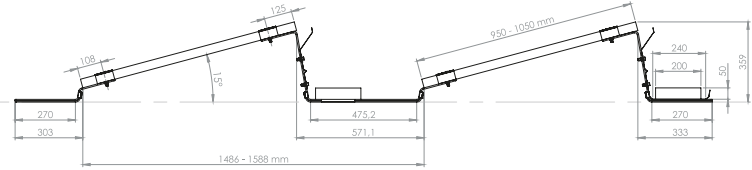
- 25 years product warranty
- Wind tunnel tested
- Best price value available
- The fastest installation in the industry 1 kWp 5 min., 2 men
- Statically optimized system
- Less material = Less shipping costs
- Incl. protection pads with aluminum coating
- Optimized wind suction, therefore less ballasting
- Optimized water drainage
- Suitable for roof edge zones
- ETL certified, conforms to UL 2703
- Patent pending
- Without roof penetration
- Optimum module ventilation
- Complimentary ballast calculation incl. roof layout
- Made in Europe
- Minimum order only 2 KWp
- Module clamps with integrated grounding
- TUV certified
- Fire tested according to UL 1703

- Mounting Tilt:** AEROCOMPACT S: 5°, 10°, 15°  
AEROCOMPACT+: 10°
- Inter-Row Spacing:** AEROCOMPACT S 5 (18°): 335 mm (13.2 inch)  
AEROCOMPACT S 10 (18°): 527 mm (20.8 inch)  
AEROCOMPACT S 10 (25°): 380 mm (15 inch)  
AEROCOMPACT S 15 (18°): 790 mm (31.1 inch)  
AEROCOMPACT S 15 (25°): 571 mm (22.5 inch)  
AEROCOMPACT+ (18°): 464 mm (18.3 inch)
- Min. Array Size:**  
AEROCOMPACT S: 2 rows with 3 modules / 3 rows with 2 modules  
AEROCOMPACT+: 1 row with 3 double modules / 2 rows with 2 double modules
- Roof Edge Zone:** Roof areas F and G can be used
- Module Dimensions:** 950 – 1050 mm x 1559 – 1982 mm (width - length)
- Max. Roof Slope:** 4 Degree
- Roof Height:** max. 25 m
- Windload:** up to 2.4 KN/m<sup>2</sup>  
(Design load as a load combination of dead load and wind suction)
- Snowload:** AEROCOMPACT Standard up to 2,4 KN/m<sup>2</sup>  
AEROCOMPACT Alpin up to 4,4 KN/m<sup>2</sup>  
(Design load as a load combination of dead load, wind and snow pressure)
- Module approval:** Please see list of approved modules or request from the module manufacturer or Aerocompact
- Materials:** Supporting materials made of aluminum EN AW 6060 T64, module-clamps aluminum EN AW 6063 T66, stainless steel screws, wind-deflector galvanized steel
- Shipping:** approx. 40 KW per Palette, 700 KW per Truckload
- System Requirement:** Proof of static load capacity of the roof and the insulation is to be provided by customer. General terms / warranty conditions and usage agreement applies.

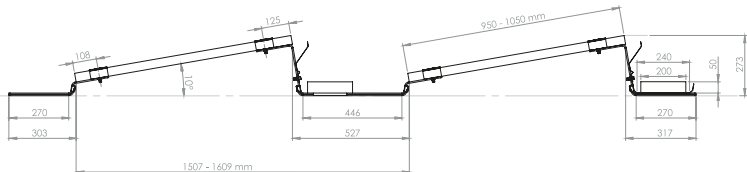
**S15 18° Sun-angle**



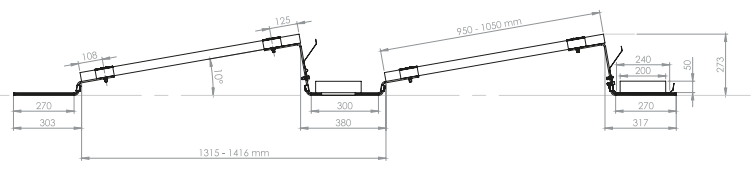
**S15 25° Sun-angle**



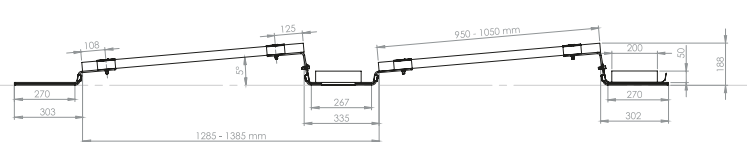
**S10 18° Sun-angle**



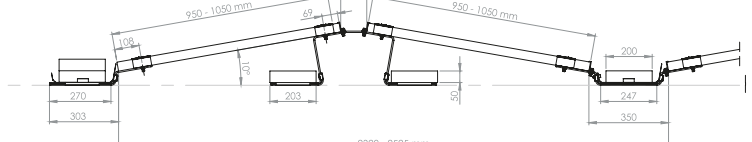
**S10 25° Sun-angle**



**S5 18° Sun-angle**



**PLUS 18° Sun-angle**



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