2:1

AEROCOMPACT®

smart mounting solutions

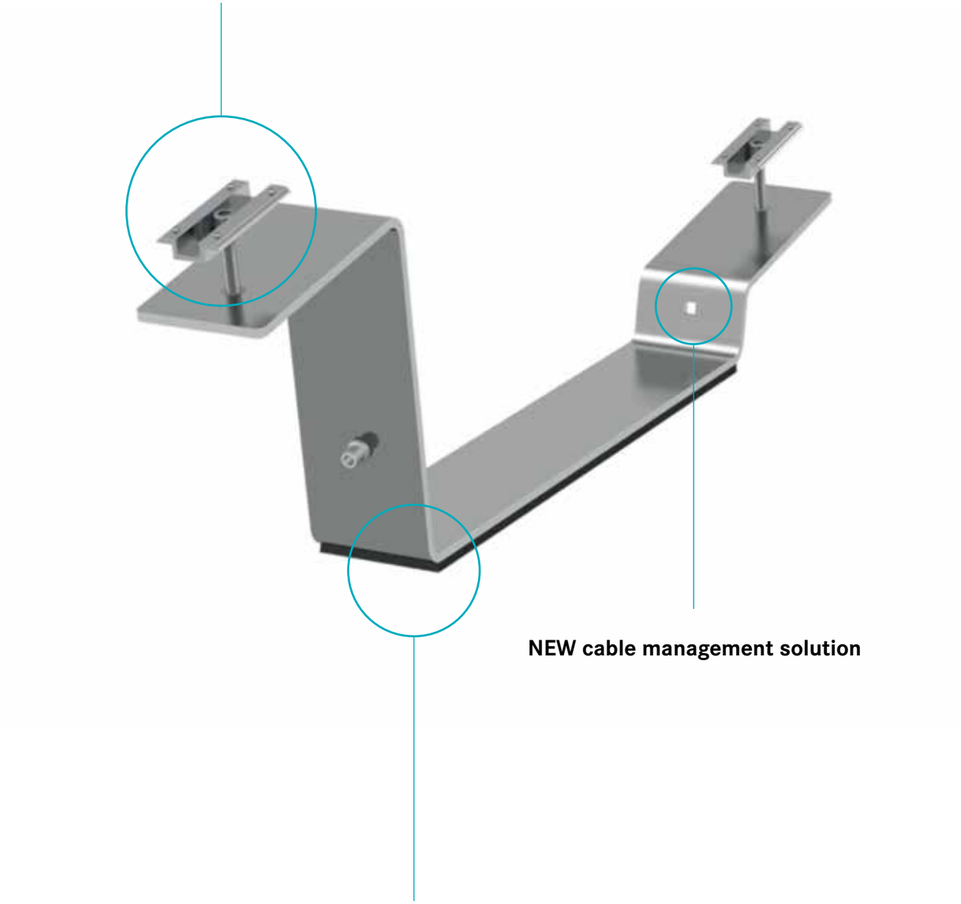
AE Brochure2.1 US 2016.2

100 MW

annual volume

with AEROCOMPACT worldwide

NEW module-clamp
incl. grounding-pins, TUV certified to UL2703



NEW cable management solution

NEW fleece building protection mat
certified and long-term tested

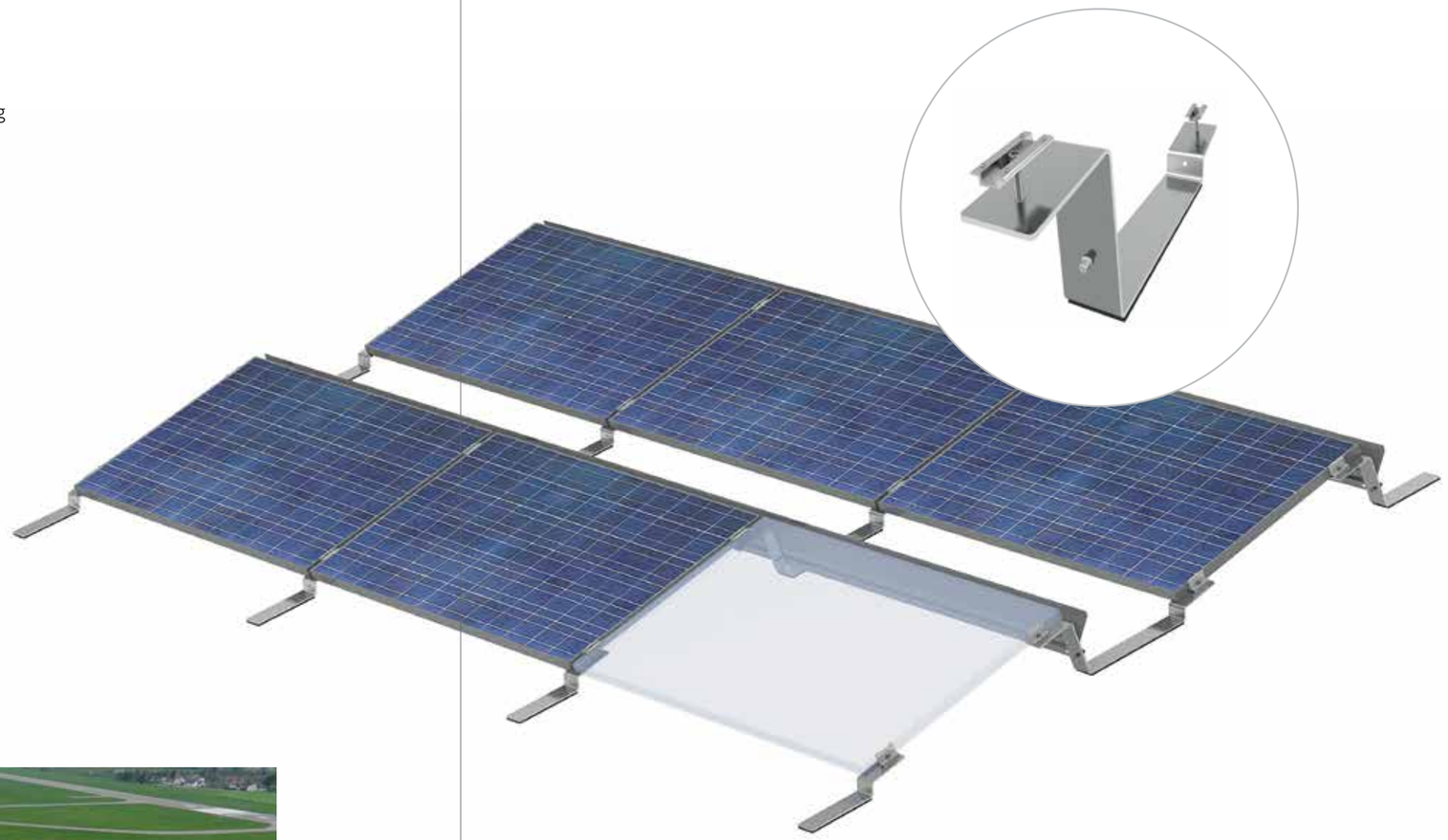
AEROCOMPACT S

AEROCOMPACT S is our aerodynamic south-oriented racking solution for mounting framed modules on flat roofs with 5°, 10° and 15° mounting tilts.

TESTED on the HIGHEST STANDARDS
Our patent pending system is wind-tunnel tested with the newest standards, is TUV certified to UL 2703, and has a 25-year limited product warranty. Aerocompact S has also been TUV load tested according to IEC 61215 including module flash-testing and fire-testing according to UL 1703 standards.

AEROCOMPACT S is delivered pre-assembled, including newly developed building protection mats – with long-term durability testing.

↓ 2,2 MW/p, south S10, Wels, Austria



Flatroof

AEROCOMPACT+

AEROCOMPACT+ is our aerodynamic east/west-oriented flat-roof system with material and cost savings up to 30%. The rolling design of the module layout has very little uplift and therefore less ballast is needed.

With **AEROCOMPACT+** each kWp is simply and quickly mounted in three minutes. Like the Aerocompact S system, the **AEROCOMPACT+** also comes with a 25-year limited product warranty, has been wind-tunnel tested, is TUV certified to UL 2703 standards, and comes delivered pre-assembled with building protection mats.

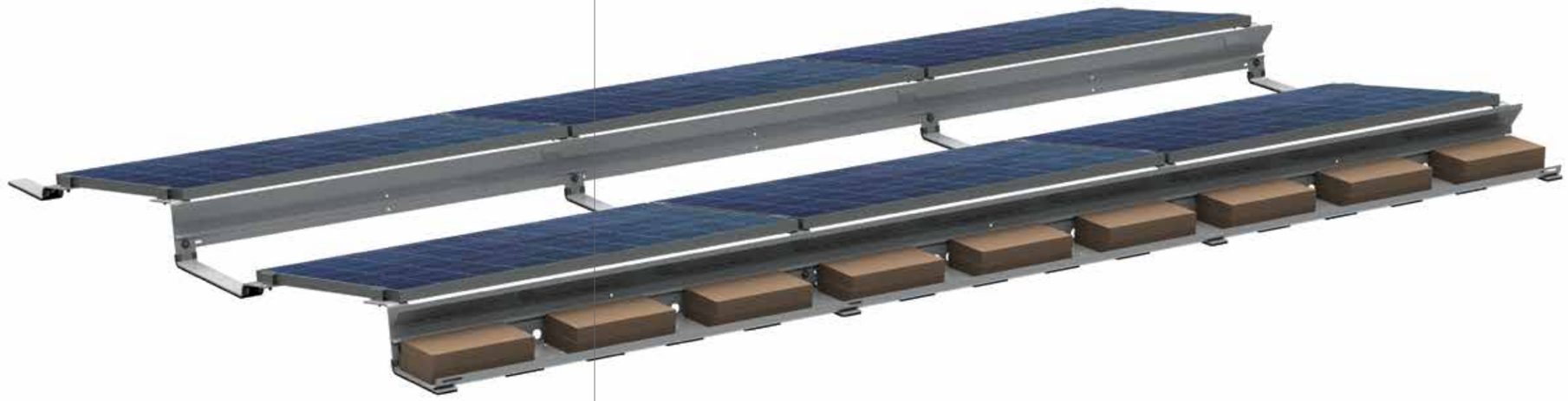
↓ 1 MW/p, east/west, New York, USA

same Space / more Modules

BALLAST-TRAY

This system type with ballast trays is used in areas with high wind loads and roofs with low point loads. The main advantage of this type of installation is that more ballast per module can be installed and the evenly distributed point load on the roof surface.

When using the ballast tray on gravel roofs, and the gravel serves as ballasting, it can be shoveled directly into the tray.



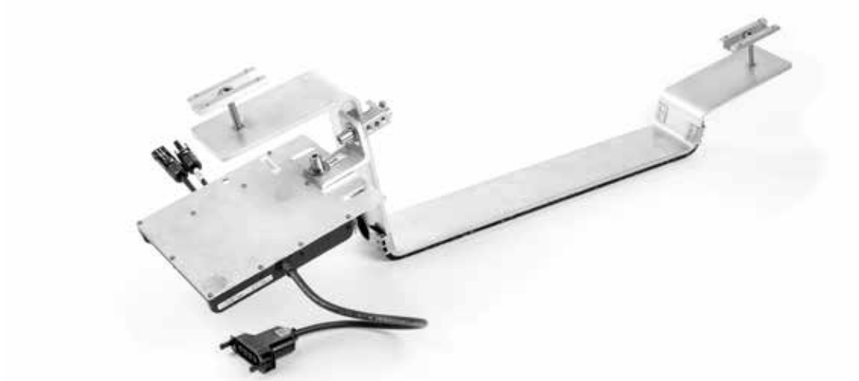
For more ballast and better point loads

ACCESSORIES

NEW MODULE CLAMP
The new UL-certified module clamp with integrated grounding is delivered in a standard length of 80 mm. For faster assembly, the pre-assembled socket head screw holds the clamp in place using the clamp ring and allows the module to be more easily mounted.

ADJUSTABLE END CLAMP
As a NEW feature we now offer a height adjustable end clamp for all module types. This is especially useful for customers who keep AEROCOMPACT in stock.

MICRO INVERTER CLAMP
With the NEW update 2.1, a UL-certified microinverter and optimizer clamp is now available.



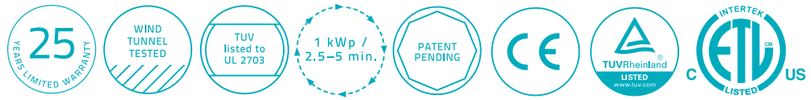
MECHANICAL ATTACHMENTS
Aerocompact offers a suitable hybrid solution for roofs that have specific weight requirements for the photovoltaic system. The combination of roof attachment points and ballasting reduces the overall weight of the system. This is also an option which is used in areas with seismic activities to prevent the array from shifting.

WIRE MANAGEMENT
The NEW wire management solution, used for string wiring the rows, is now UL certified and available as a standard product.

YOUR BIG ADVANTAGE

from the start

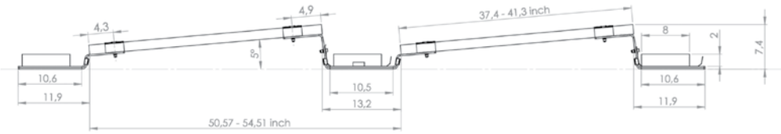
- 25 years product warranty
- Wind tunnel tested
- Incl. protection pads with aluminum coating
- TUV certified, conforms to UL 2703
- Patent pending
- Without roof penetration
- Optimum module ventilation
- Complimentary ballast calculation incl. roof layout
- Made in Europe
- Minimum order only 2 KWp
- Module clamps with grounding pins
- TUV certified, conforms to IEC 61215
- Fire tested according to UL 1703
- Best price value available
- The fastest installation in the industry
  1 kWp, 5 min., 2 men
- Statically optimized system
- Less material = Less shipping costs
- Optimized wind suction, therefore less ballasting than other systems
- Optimum water drainage
- Suitable for roof edge zones



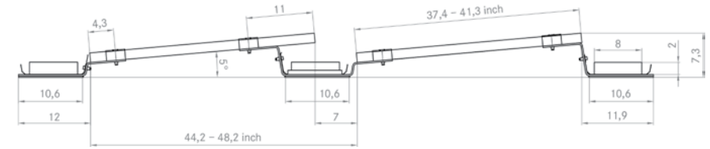
Technical Details

Mounting Tilt:	AEROCOMPACT S: 5°, 10°, 15° AEROCOMPACT+: 10°
Inter-Row Spacing:	AEROCOMPACT S 5 (18°): 13.2 inch (335 mm) AEROCOMPACT S 5 (30°): 7 inch (178 mm) AEROCOMPACT S 10 (25°): 15 inch (380 mm) AEROCOMPACT S 15 (25°): 22.5 inch (571 mm) AEROCOMPACT+ (18°): 18.3 inch (464 mm)
Min. Array Size:	AEROCOMPACT S: 2 rows with 3 modules / 3 rows with 2 modules AEROCOMPACT+: 2 rows with 2 modules
Roof Edge Zone:	Roof areas F and G can be used
Module Dimensions:	37.4 – 41.3 inch x 61.1 – 81.9 inch (width - length)
Max. Roof Slope:	5 Degree
Roof Height:	max. 60 ft.
Windload:	up to 50 psf. (Design load as a load combination of dead load and wind suction)
Snowload:	AEROCOMPACT Standard up to 50 psf. AEROCOMPACT Alpin up to 92 psf. (Design load as a load combination of dead load, wind and snow pressure)
Module approval:	Please request approved module list 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 pallet, 700 KW per truckload
System Requirement:	Proof of static load capacity of the roof and the insulation needs to be provided by customer. General terms / warranty conditions and usage agreement apply.

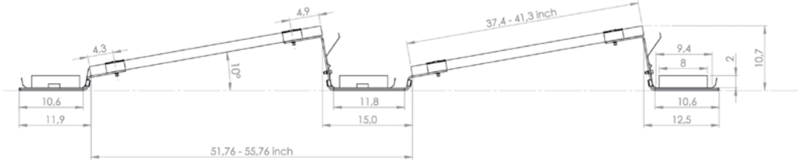
S5 18° Sun-angle



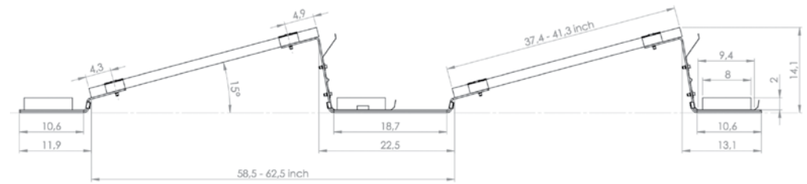
S5 30° Sun-angle



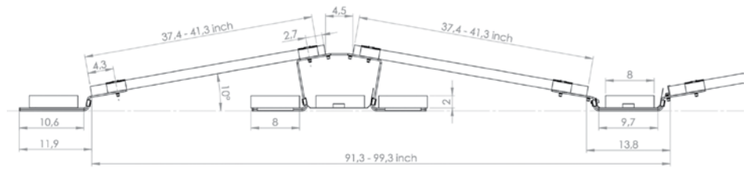
S10 25° Sun-angle



S15 25° Sun-angle



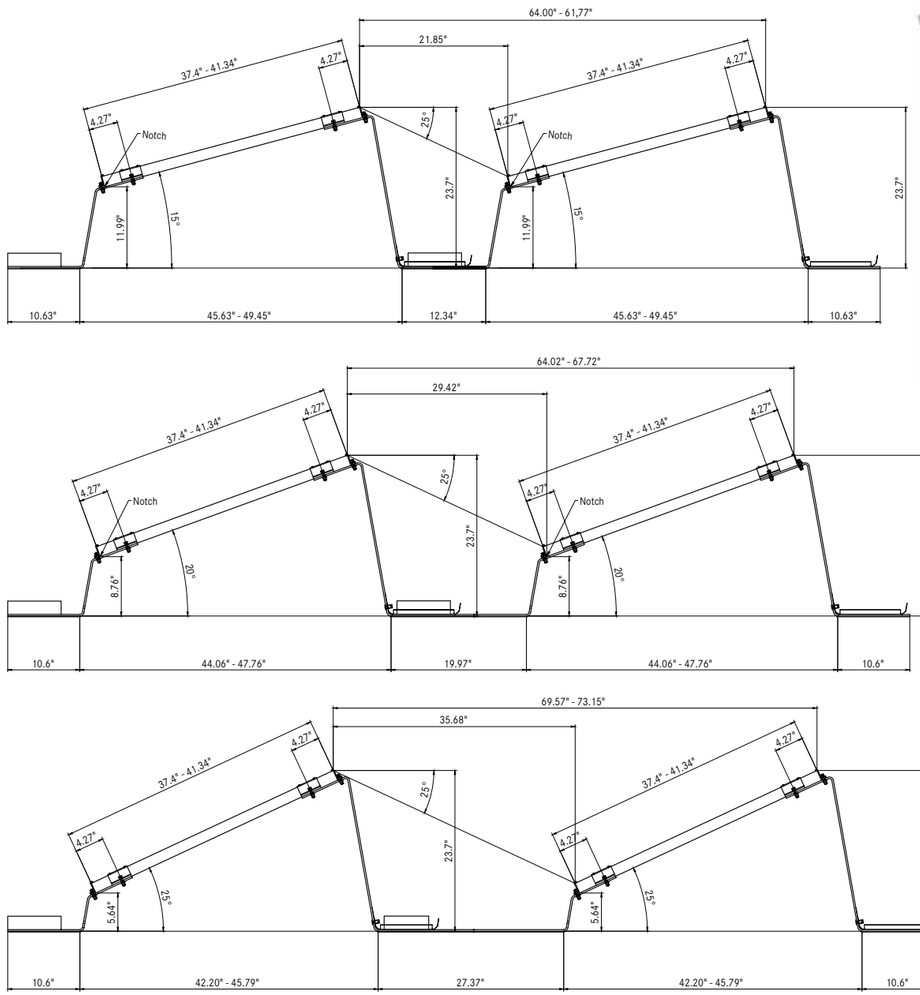
PLUS 18° Sun-angle

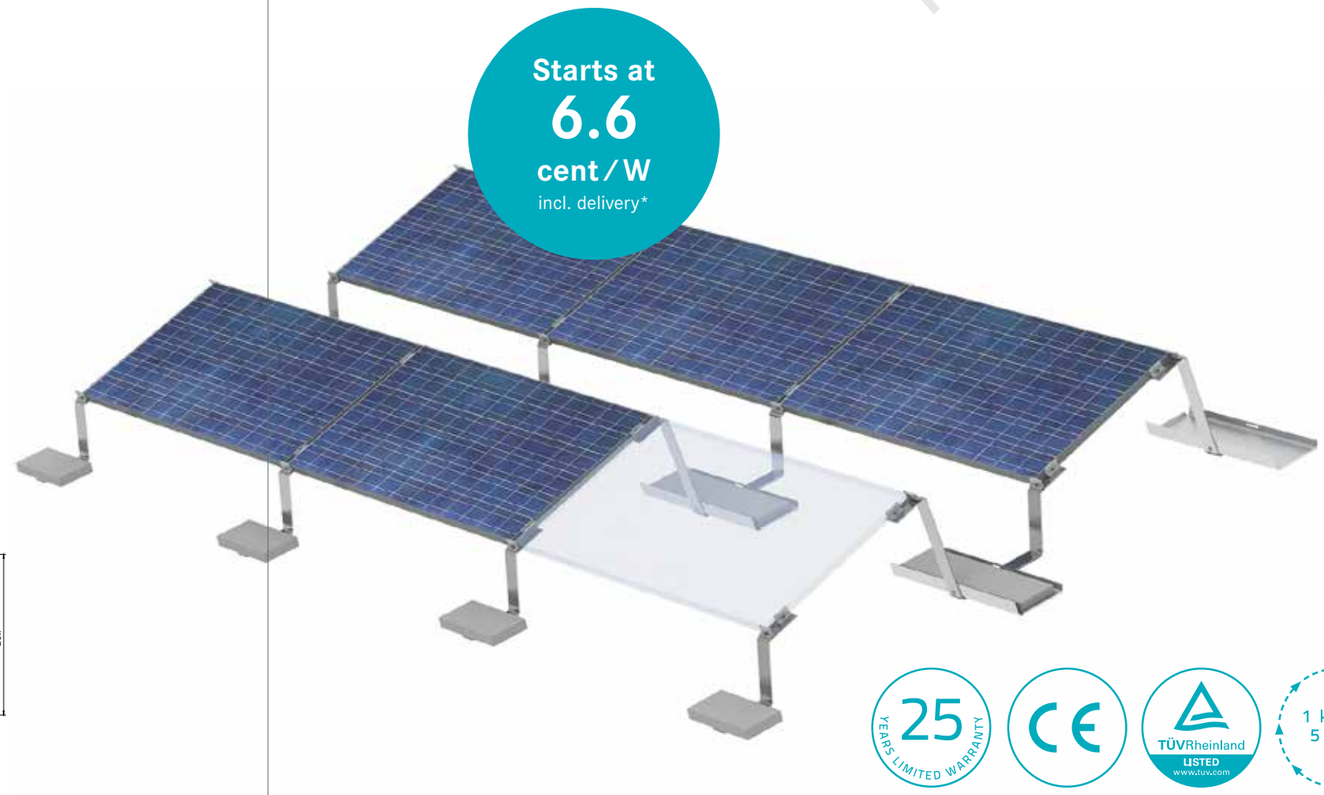


BALLASTED Groundmount

no ramming and no big machinery needed

AEROCOMPACT G is our brand new south oriented ground mount system. Designed with a 15°, 20°or 25° module tilt. With the fastest installation time in the industry and the ability to ship 1 MW per truckload, the AEROCOMPACT G provides both material and labor cost savings.
The system is completely ballasted with optional anchors.





Technical Details

- **Moduletilt: 15°, 20°, 25°**
- **Grounded clamps, tested to UL 2703**
- **25 years limited product warranty**
- **Less material = less shipping costs**
- **Module dimensions:** 37.4 – 41.3 x 61.1 – 81.9 inch
- **Max ground slope:** 20 Degree
- **Wind-/Snowload:** up to 50 psf
- **Max. array size:** 12 x 20 rows, 240 modules
- **Material:** Supporting materials made of aluminum EN AW 6060 T64, module-clamps aluminum EN AW 6063 T66, stainless steel screws.
- **Shipping:** approx. 1 MW per Truckload
- **For green surface we recommend a fleece layer, starts at 0.5 cent/W incl. delivery**

* Price based on a 320 Watt Module, excl. tax and import duties

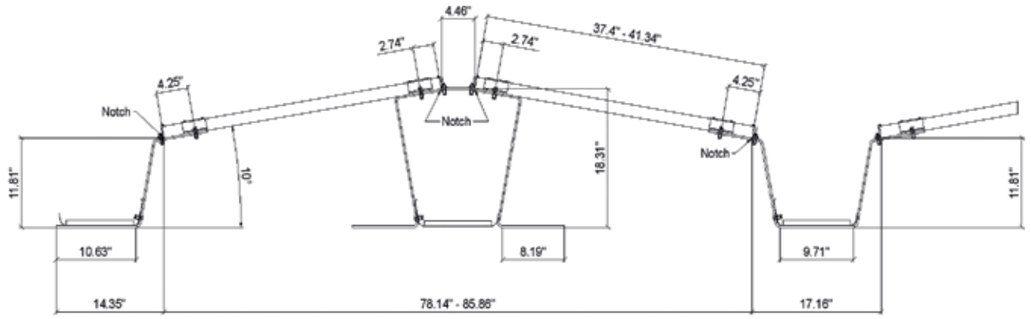
Groundmount

east/west GROUNDMOUNT

AEROCOMPACT G+ is our brand new aerodynamic east/west oriented ground mount system with up to 30% more modules on the same ground space. Designed with a 10° module tilt and elevated 12˝ off the ground from the lowest module point.

The system is completely ballasted with optional anchors.

25 YEARS LIMITED WARRANTY · CE · TÜVRheinland LISTED www.tuv.com · 1 kWp / 2.5 min.



Starts at 6.0 cent/W incl. delivery*

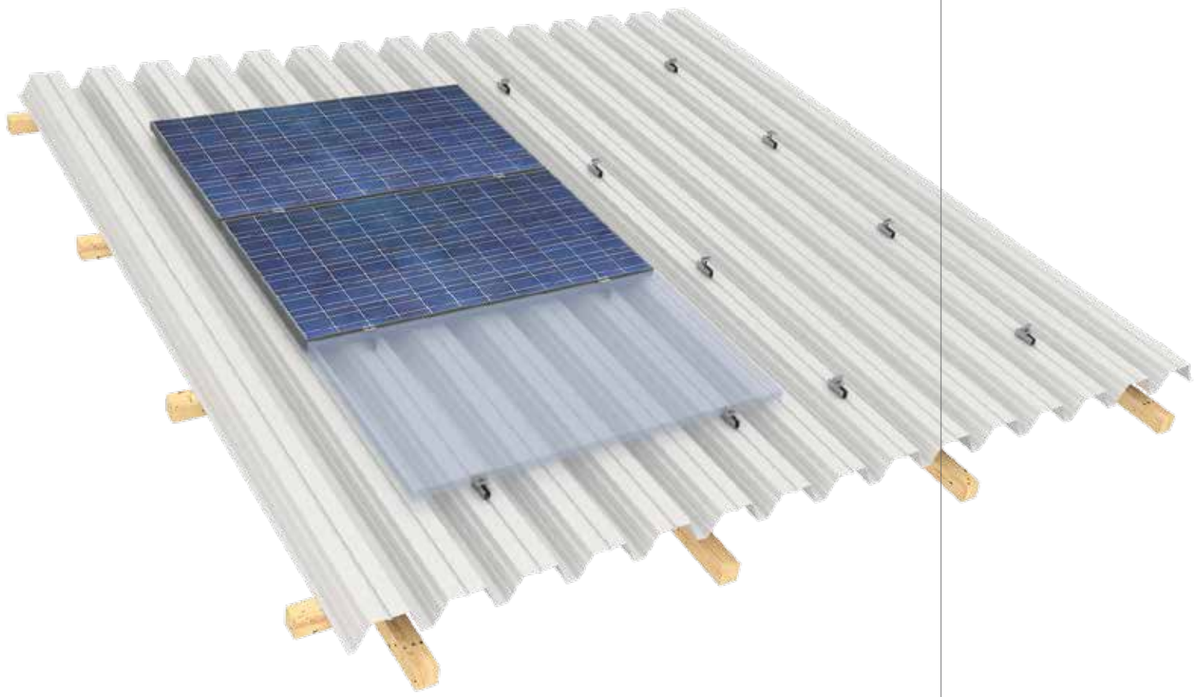
Groundmount

Technical Details

- **Grounded clamps, tested to UL 2703**
- **25 years limited product warranty**
- **Less material = less shipping costs**
- **Module dimensions:** 37.4 – 41.3 x 61.1 – 81.9 inch
- **Max ground slope:** 20 Degree
- **Wind-/Snowload:** up to 50 psf
- **Max. array size:** 12 x 20 rows, 240 modules
- **Material:** Supporting materials made of aluminum EN AW 6060 T64, module-clamps aluminum EN AW 6063 T66, stainless steel screws.
- **Shipping:** approx. 1 MW per Truckload
- **For green surface we recommend a fleece layer, starts at 0.5 cent/W incl. delivery**

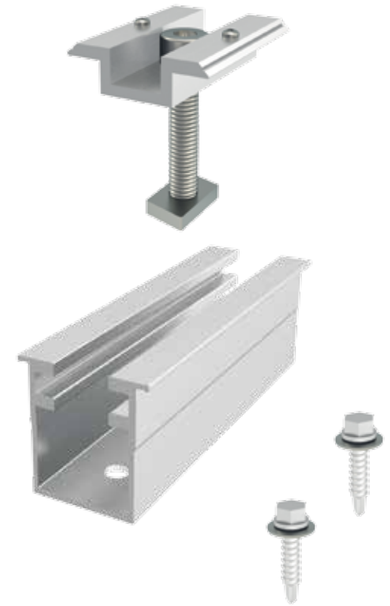
* Price based on a 320 Watt Module, excl. tax and import duties

TRAPEZOIDAL
short rail



Technical Details

- **Grounded clamps**
- **25 years limited product warranty**
- **Module orientation:** Landscape
- **Rail length:** 4 inch
- **Module type:** Framed modules, 1.22 – 1.96 inch
- **Wind-/Snowload:** according approval module manufacturer
- **Max. row size:** 11 Modules
- **Pre-assembled with sealing tape**
- **Including 2 metal screws with sealing ring**
- **Material:** Supporting materials and clamps made of aluminum EN AW 6060 T64, stainless steel screws.



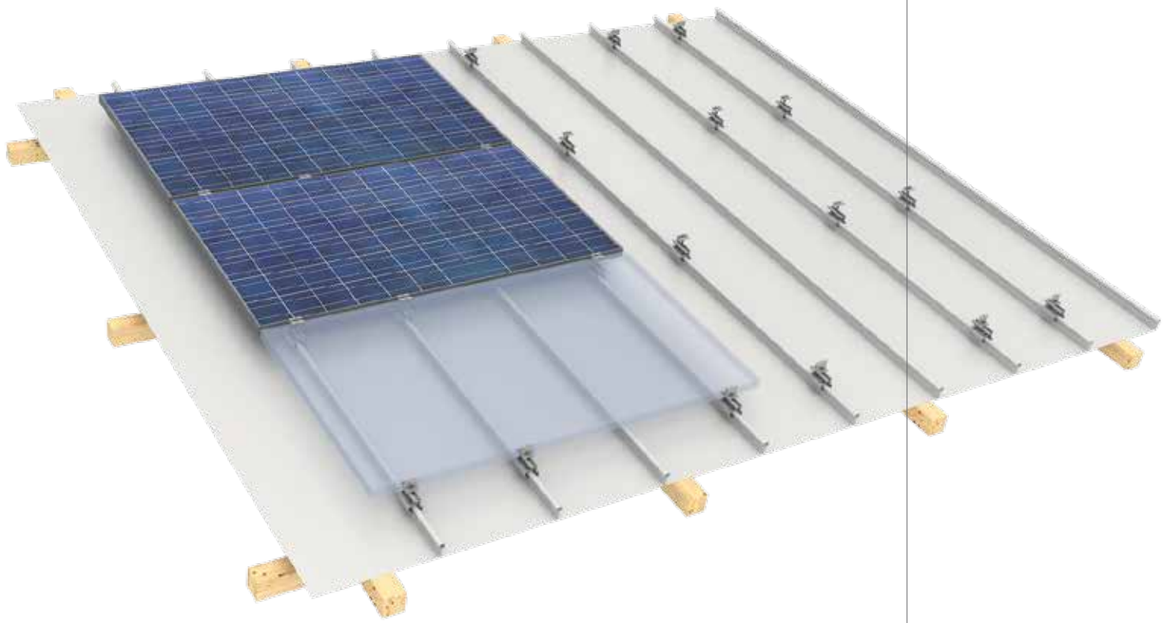
REAL VALUE

The **TS** is our trapezoidal short rail solution with the best price-value combination.
It is going to be delivered with a pre-mounted sealing tape underneath,
2 screws with rubber sealing and the pre-assembled grounding clamp.

Metal-roof

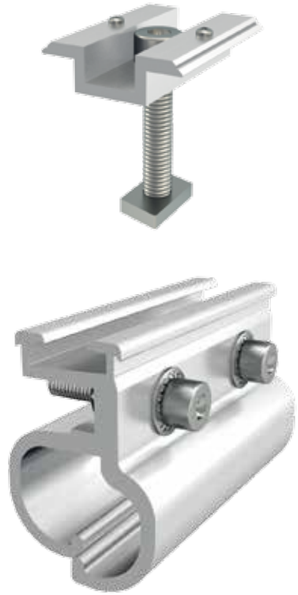
STANDING SEAM

clamp



Technical Details

- **Grounded clamps**
- **25 years limited product warranty**
- **Module orientation:** Landscape or Portrait
- **Module type:** Framed modules, 1.22 – 1.96 inch
- **Wind-/Snowload:** according approval module manufacturer
- **Max. row size:** 11 Modules
- **Clamping range:** 0.02 – 0.6 inch
- **Opening dimension:** 1 inch
- **Material:** Supporting materials and clamps made of aluminum EN AW 6060 T64, stainless steel screws.



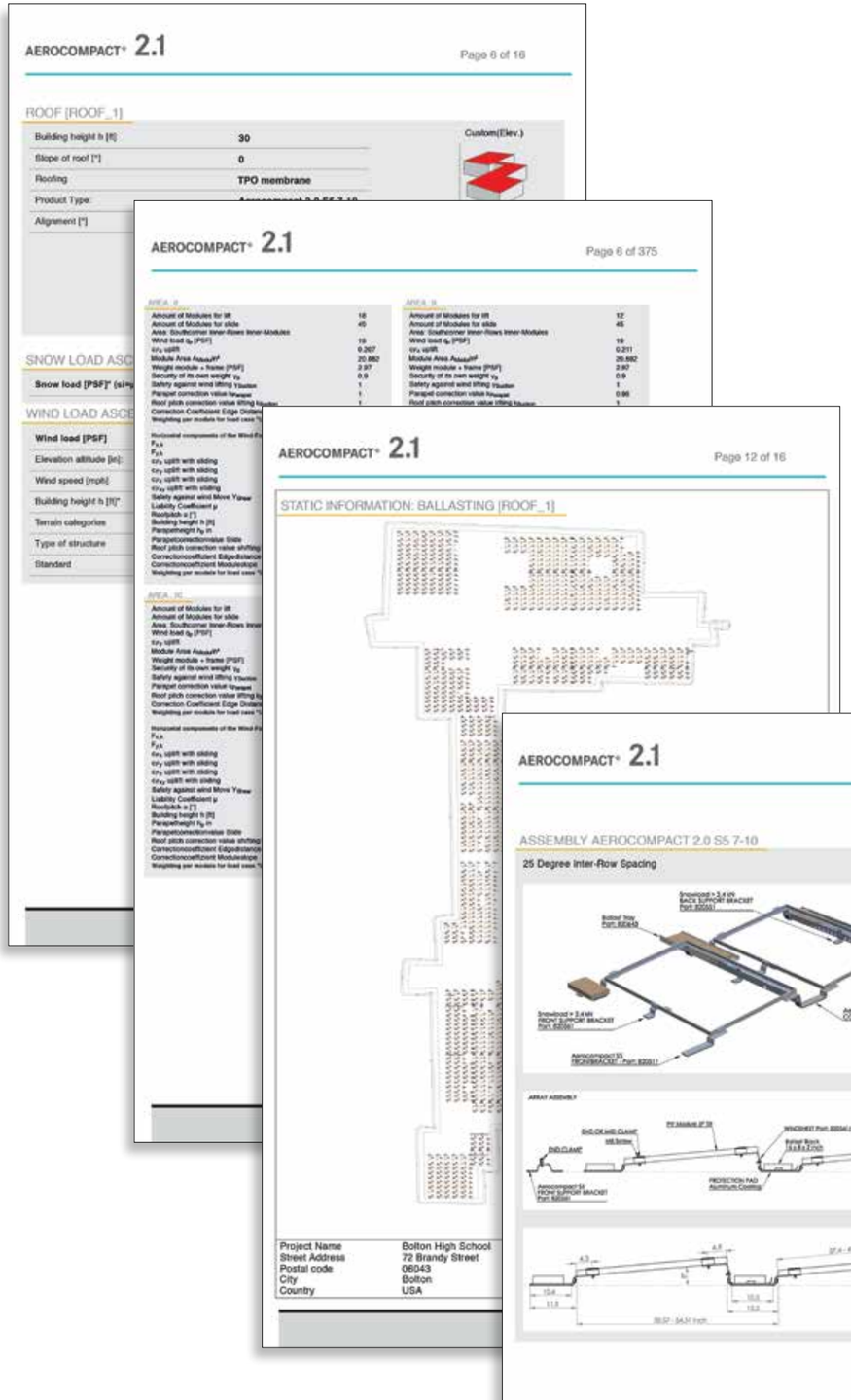
THE ONE PARTNER

The **T1** is our solution for all common standing seam roofs.
With just two components the clamp is very easy to install and comes with the pre-assembled module clamp with grounding pins.

The T1 is the one partner for your standing seam roofs.

Metal-roof

Complimentary Design Software



AEROTOOL LIGHT

New

Aerocompact's new system update 2.1 includes our one-of-a-kind online software, **AeroTool LT**, available complimentary to our customers.

The result is a detailed ballast plan that has taken world-wide, site-specific static codes, wind and snow data, as well as shadows during the course of the day into consideration to determine the ballasting needs of the system.

↑ 3D-Simulation

get more information!
www.aerocompact.com

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