NAVIGATION.

COMPACT**FLAT S**

**AERODYNAMIC.
ADAPTABLE.
TESTED.**

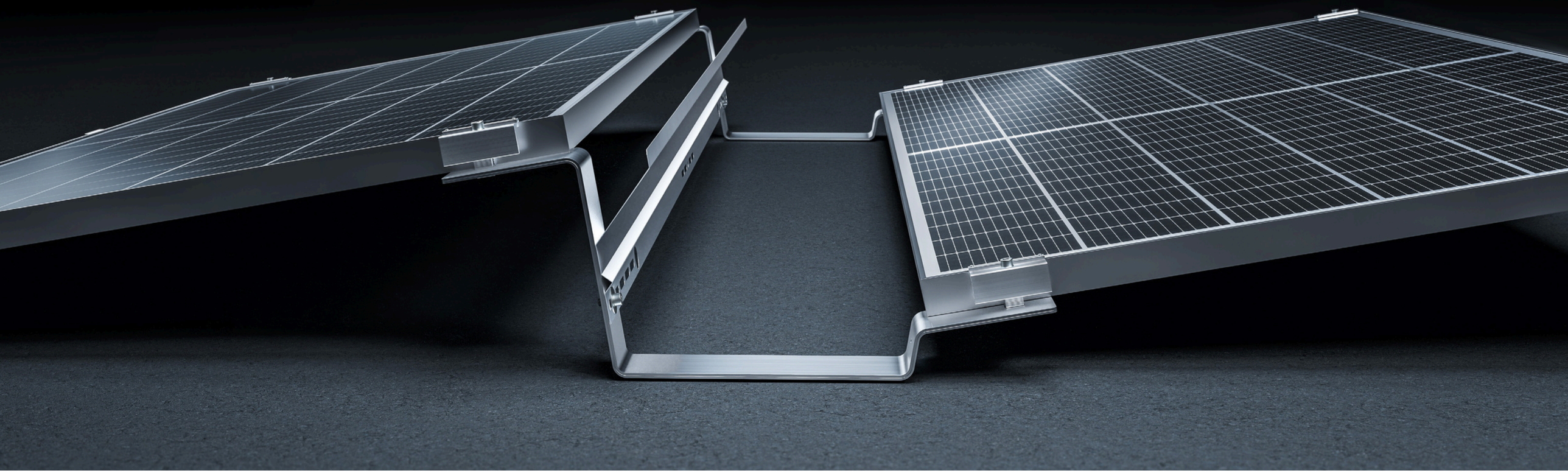
FLAT ROOF BRACKET SYSTEM
Safe and tested substructures for mounting photovoltaic modules on flat roofs

The COMPACTFLAT system family offers systematically structured substructures for the effortless installation of photovoltaic modules on flat roofs. The aerodynamic design boasts exceptional structural properties and requires considerably less ballast than other systems on the market. Due to the special “spring effect” of the feet, the substructure adjusts optimally to the conditions of the surface structure. Since the design is not rail-bound, water drainage is provided on all sides.

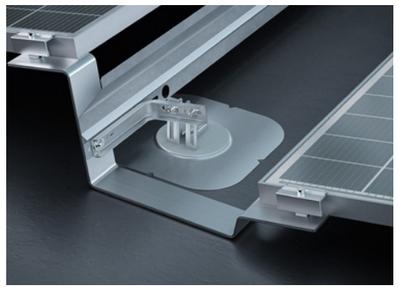
MORE EFFICIENCY
Short assembly times and lower transport costs due to fewer components.

SAFETY
Certified and wind tunnel tested.

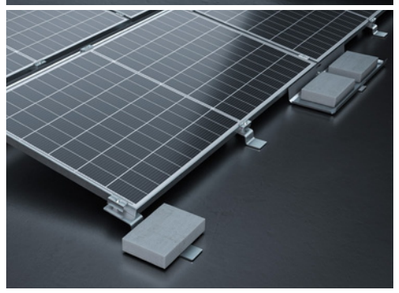
RELIABILITY
The AEROTOOL software offers reliable information about statics, wind loads and snow loads.



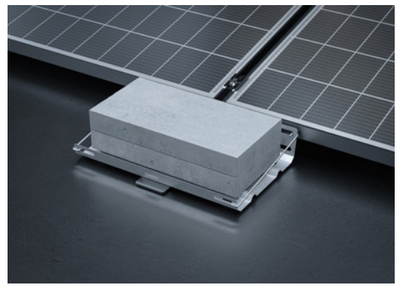
ADDITIONAL COMPONENTS



ROOF CONNECTION
AEROCOMPACT offers a sophisticated hybrid solution for roofs that cannot withstand the additional weight of a photovoltaic system. The combination of roof fastening points and ballast reduces the overall weight of the system. This option can also be used in areas with seismic activity to prevent the system from shifting due to earthquake influences.

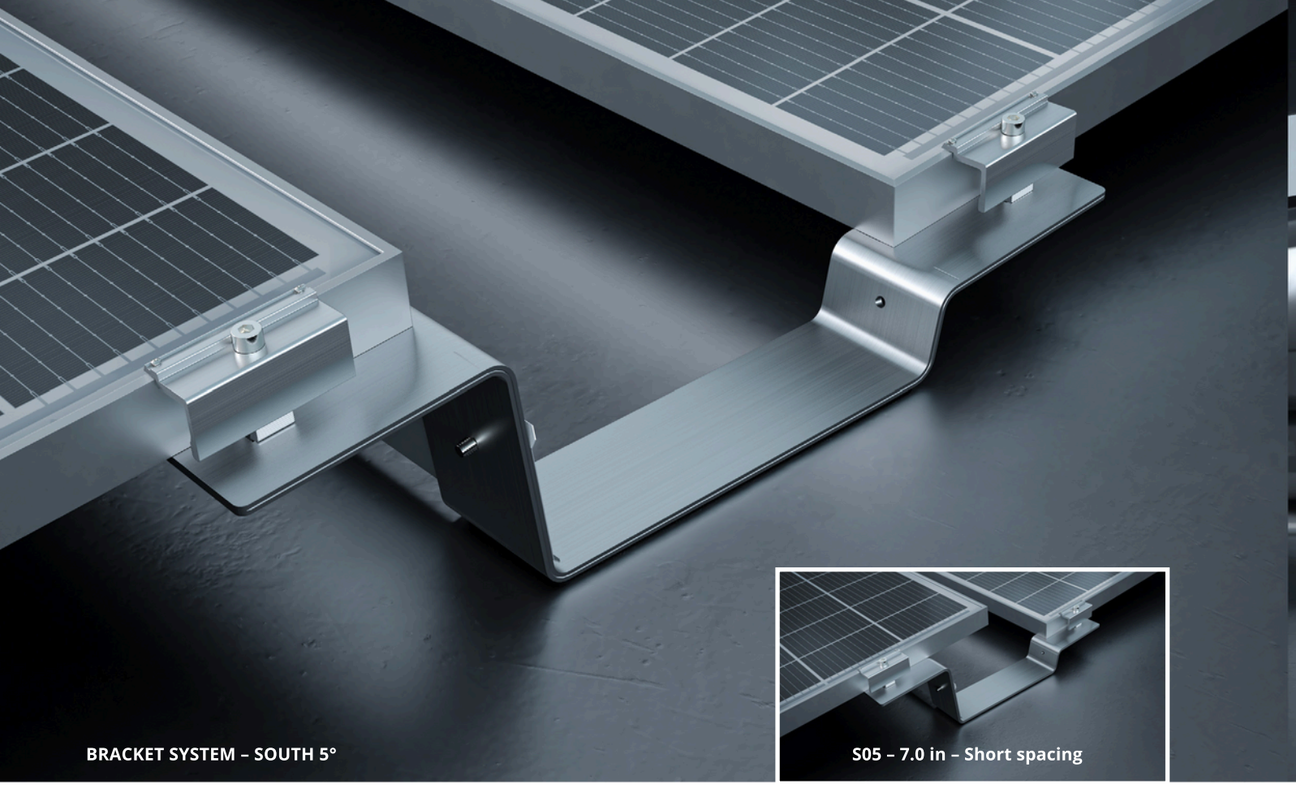


ALPINE VERSION
Our alpine version is used from a certain snow load, which is calculated by our online software AEROTOOL based on the project.



BALLAST TRAYS
This system variant with ballast trays, available in various sizes, is mainly used in areas with high wind loads and roofs with low point loads. The main advantages of this installation variant are, on the one hand, the additional ballast that can be installed per module and, on the other hand, the even distribution of the concentrated load on the roofing. The ballast tray can also be used for ballasting on gravel roofs by putting the gravel into the ballast trays. With the additional ballast securing bracket, the ballast stones are secured against slipping from the tray and ideally distributed.

CABLE MANAGEMENT
The cable management solution for string cabling of the rows is UL-certified and available as a standard product.

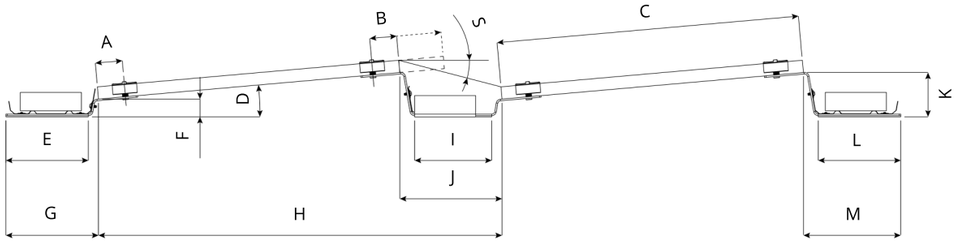


BRACKET SYSTEM – SOUTH 5°

S05 – 7.0 in – Short spacing

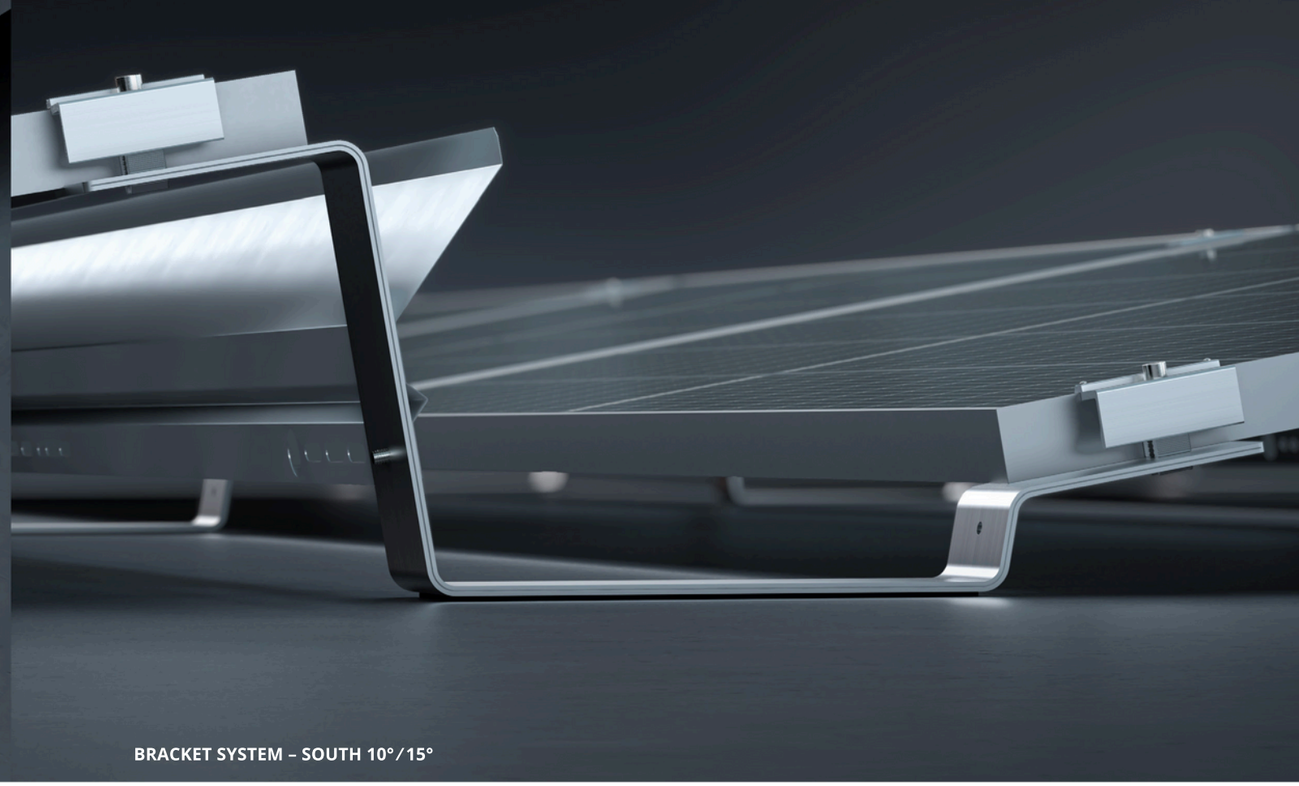
COMPACT**FLAT** S05

The COMPACTFLAT S05 is a south-facing aerodynamic flat roof fastening system including pre-assembled PES building protection mat for framed PV modules. The module inclination is 5° and results in row spacings of 7 in and 13.2 in. The row spacing of 7 in with a shading angle of 30° is achieved by moving the modules back on the connector. It is also available as an alpine version.



	A [in]	B [in]	C* [in]	D [°]	E [in]	F [in]	G [in]	H* [in]	I [in]	J [in]	K [in]	L [in]	M [in]	S [°]
S05 – 7.0 in – Short spacing	3.48	9.64	37.40 – 45.28	5	1 0.6 3	2.28	11.93	44.26 – 52.16	9.94	7.00	5.67	1 0.6 3	12.58	30
S05 – 13.2 in – Long spacing	3.48	3.48	37.40 – 45.28	5	1 0.6 3	2.28	11.93	50.44 –58.34	9.94	13.2	5.67	1 0.6 3	12.58	15

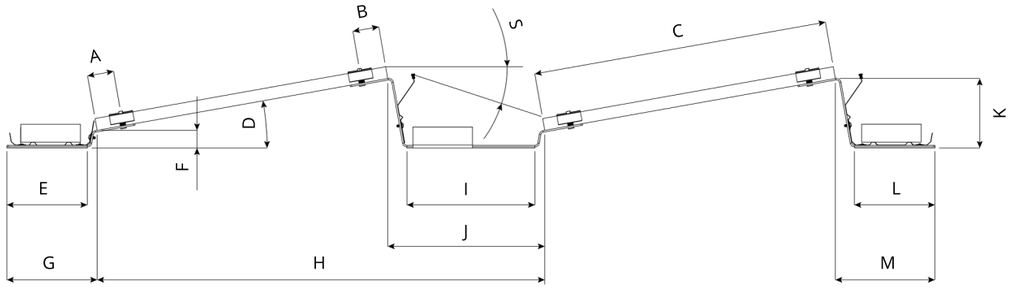
* depending on the PV-module dimensions



BRACKET SYSTEM – SOUTH 10°/15°

COMPACT**FLAT** S10/S15

The COMPACTFLAT S10 / 15 is another south-facing aerodynamic flat roof fastening system including pre-assembled PES building protection mat for framed PV modules. It is available with an inclination of 10° and 15°, as well as various row spacings and is available as an alpine version as well.

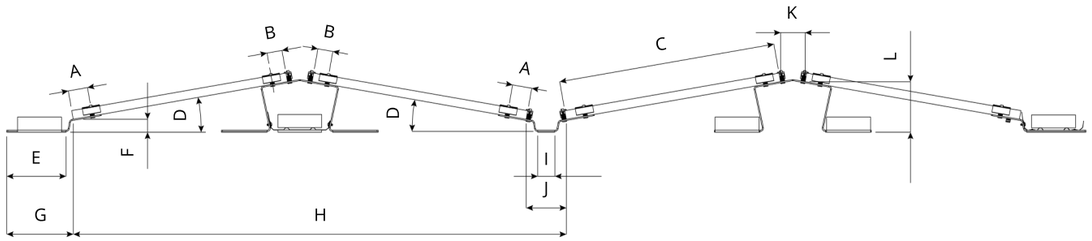


	A [in]	B [in]	C* [in]	D [°]	E [in]	F [in]	G [in]	H* [in]	I [in]	J [in]	K [in]	L [in]	M [in]	S [°]
S10 – 15.0 in – Short spacing	3.48	3.48	37.40 – 45.28	10	1 0.6 3	2.32	11.92	51.74 – 59.72	11.11	15.0	9.13	1 0.6 3	13.15	25
S15 – 22.5 in – Short spacing	3.48	3.48	37.40 – 45.28	15	1 0.6 3	2.38	11.92	58.49 – 66.61	18.05	22.5	12.48	1 0.6 3	1 3.7 8	25

* depending on the PV-module dimensions

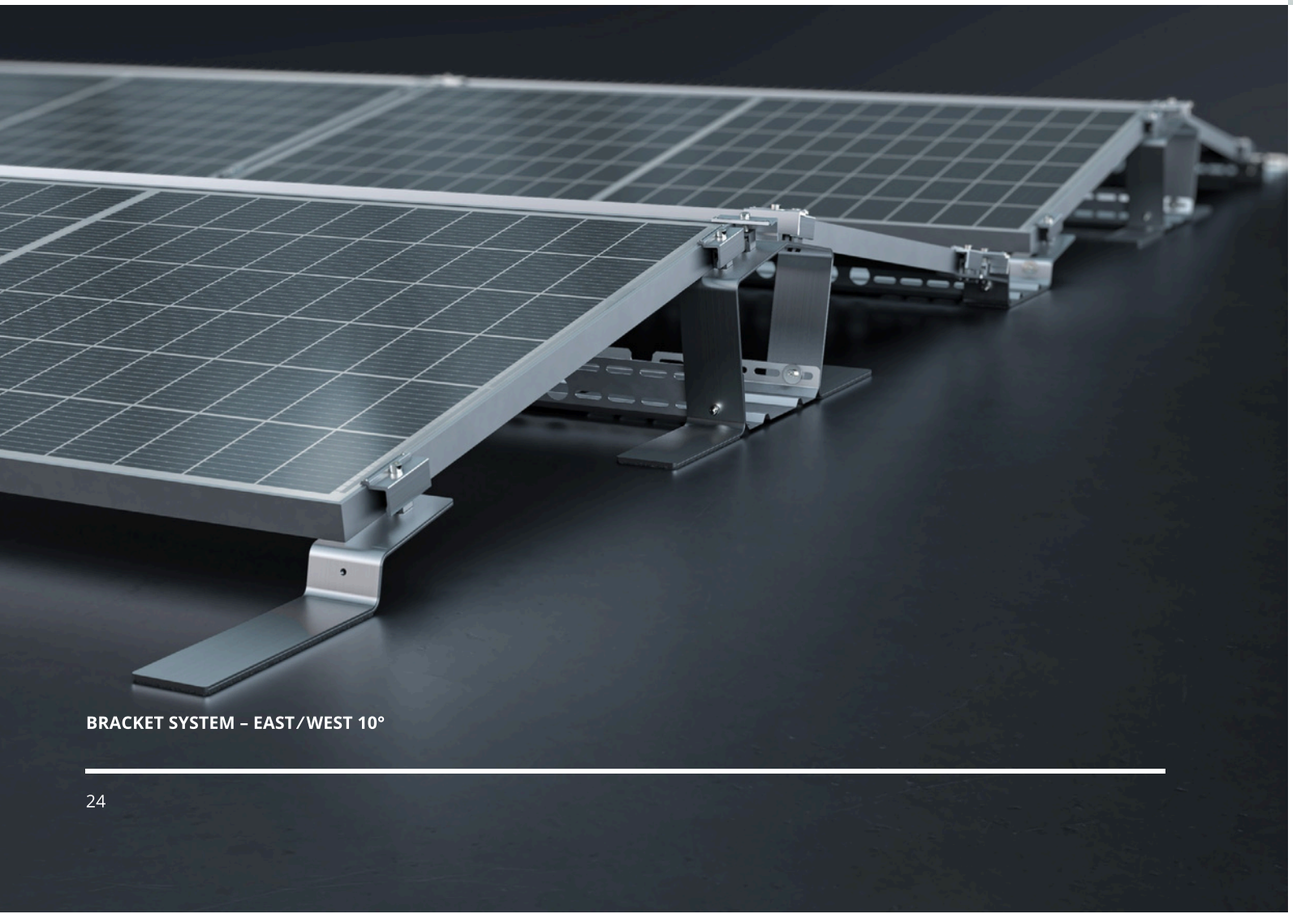
COMPACT**FLAT** S10 PLUS

The system, as part of the COMPACTFLAT product range, is an aerodynamic east–west-substructure for the fixing and aligning of PV modules on flat roofs. The module inclination is 10° and results in row spacings of 11.61 in and 18.21 in. The aerodynamic design has outstanding static properties and requires surprisingly little ballast. This system is also available as an alpine version.

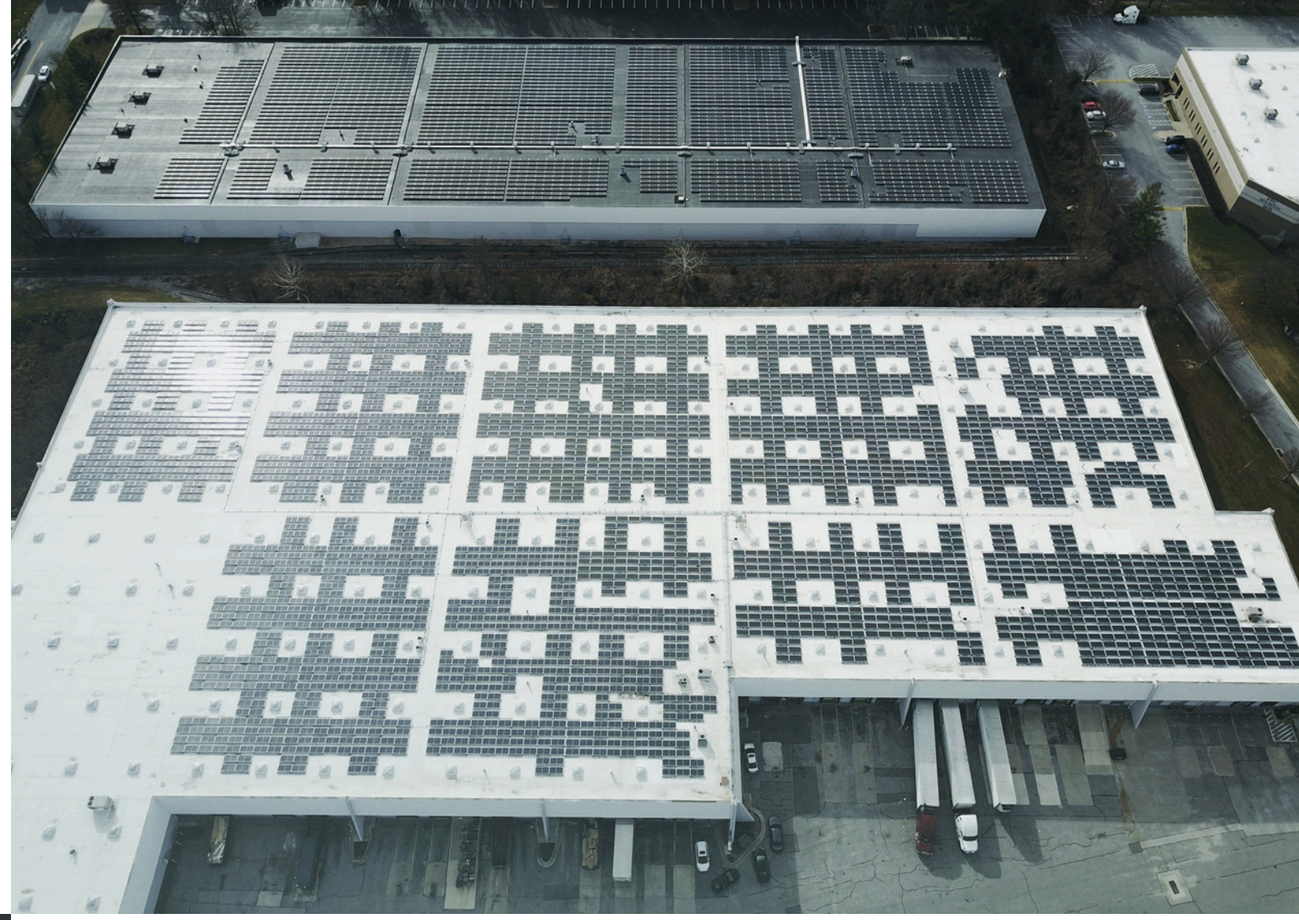


	A [in]	B [in]	C* [in]	D [°]	E [in]	F [in]	G [in]	H* [in]	I [in]	J [in]	K [in]	L [in]
S10 PLUS – 7.2 in– Short spacing	3.48	2.72	37.40 – 45.28	10	1 0.6 3	2.32	11.93	58.16 – 101.10	3.08	7.2	4.41	9.07
S10 PLUS – 13.8 in– Long spacing	3.48	2.72	37.40 – 45.28	10	1 0.6 3	2.32	11.93	91.76 – 107.72	9.65	13.8	4.41	9.07

* depending on the PV-module dimensions



BRACKET SYSTEM – EAST/WEST 10°



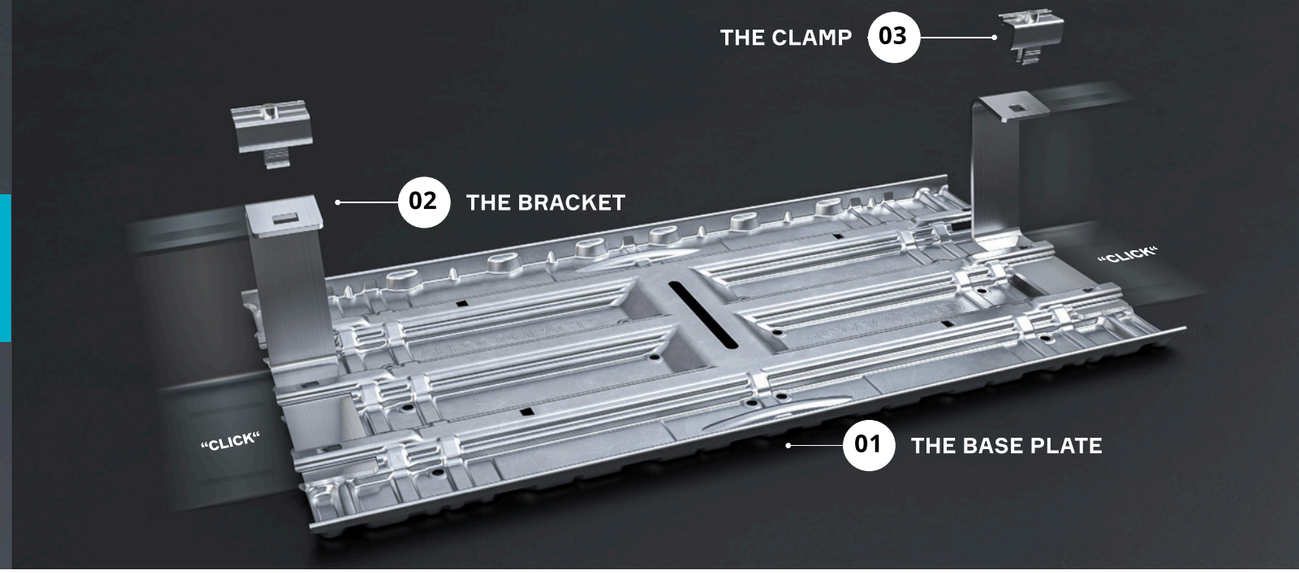
MARYLAND/1.1 MW/S10

MASSACHUSETTS/1 MW/S10

COST EFFECTIVE AND LIGHTWEIGHT NESTED BASE PLATES FOR EASY TRANSPORTATION.

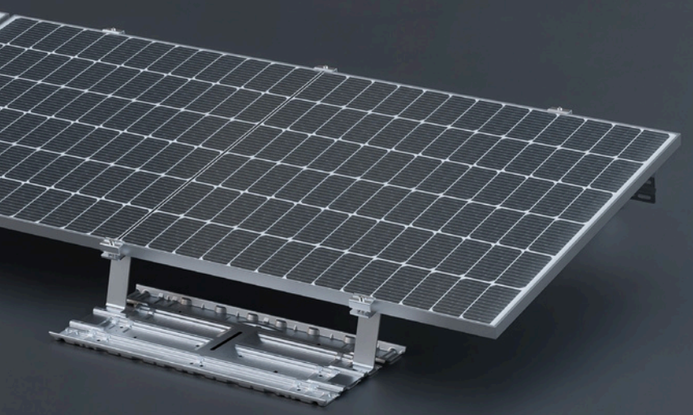
IMPORTANT 144 PLATES PER PALLET = AT LEAST 120 PV MODULES*

*DEPENDS ON THE ARRANGEMENT



UNMATCHED ASSEMBLY SPEED WITH QUICK CLICK-IN BRACKETS AND PV CLAMPS.

IMPORTANT SINGLE PERSON ASSEMBLY POSSIBLE



SUPER STRONG LONG-SIDE MODULE CLAMPING FOR MODULES OVER 8 FEET (2.500 MM).

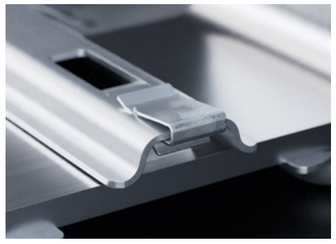
IMPORTANT OUTSTANDING POINT LOAD DISTRIBUTION FOR ANY INSULATION

SIMPLE AND EASY. IT'S ALL ABOUT THE BASE, JUST CLICK IT IN PLACE!
SUPER FAST ASSEMBLY – NO PLASTIC PARTS!

01 THE BASE PLATE
The newly developed, patent pending base plate delivers in easy to transport nested stacks that are light and strong to hold ample ballast or support anchored connection points.

02 THE BRACKET
Click it in place with S_BASE. The 100% aluminum brackets boast superior corrosion resistance, durability and thermal expansion flexibility.

03 THE CLAMP
Click in and tighten down to your PV module frame using one tool for the entire S_BASE structure.



ADDITIONAL Bonding clip

Scan the QR-code for detailed technical data and the complete list of accessories

ADDITIONAL Cable management

COMPACT**FLAT** SN 2

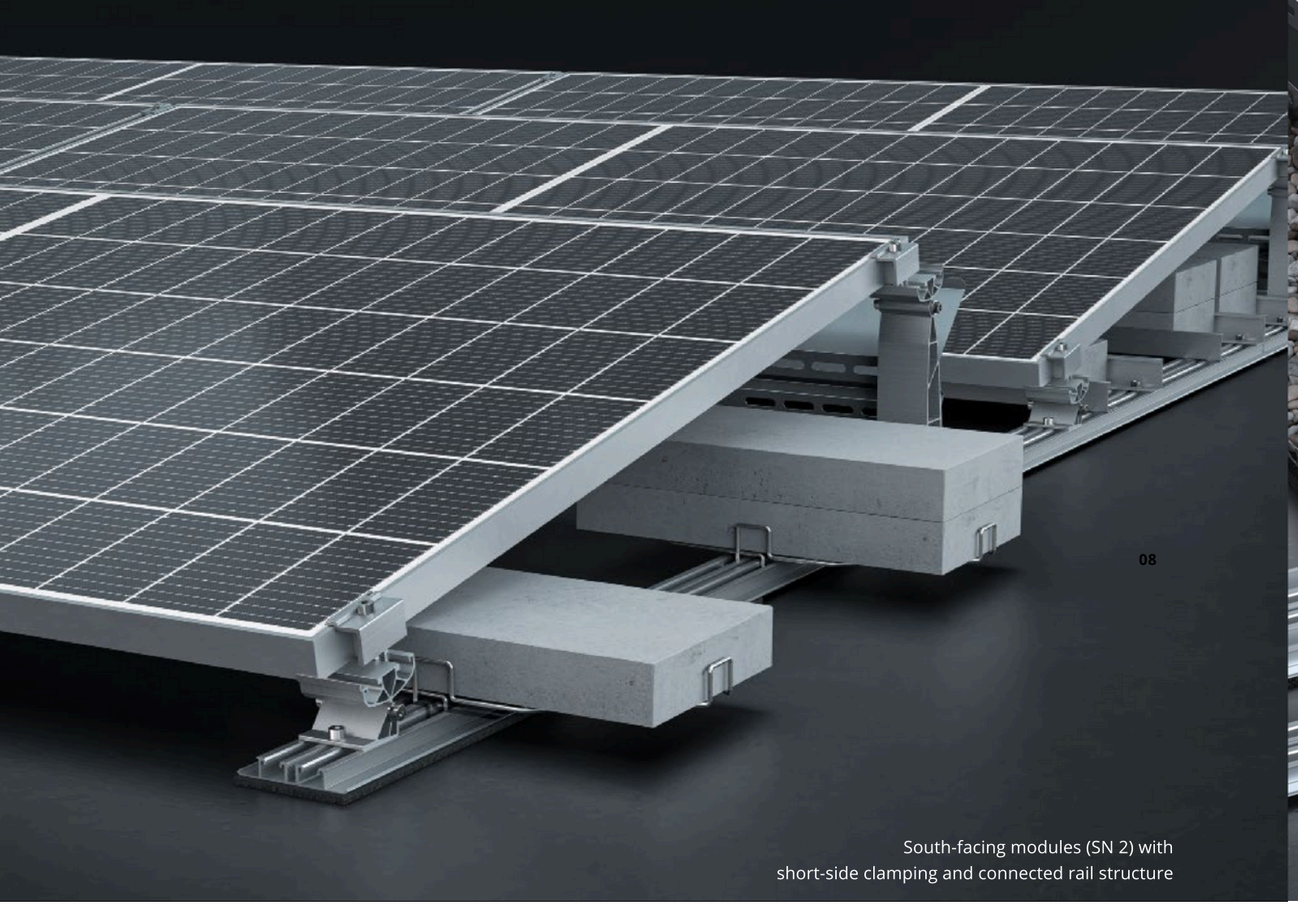
VERSATILE.
INNOVATIVE.
ECONOMIC.

25 YEAR PRODUCT WARRANTY · WIND TUNNEL TESTED · 1 KWP/ 2,5–5 MIN. · UL 2703 · UL 3741

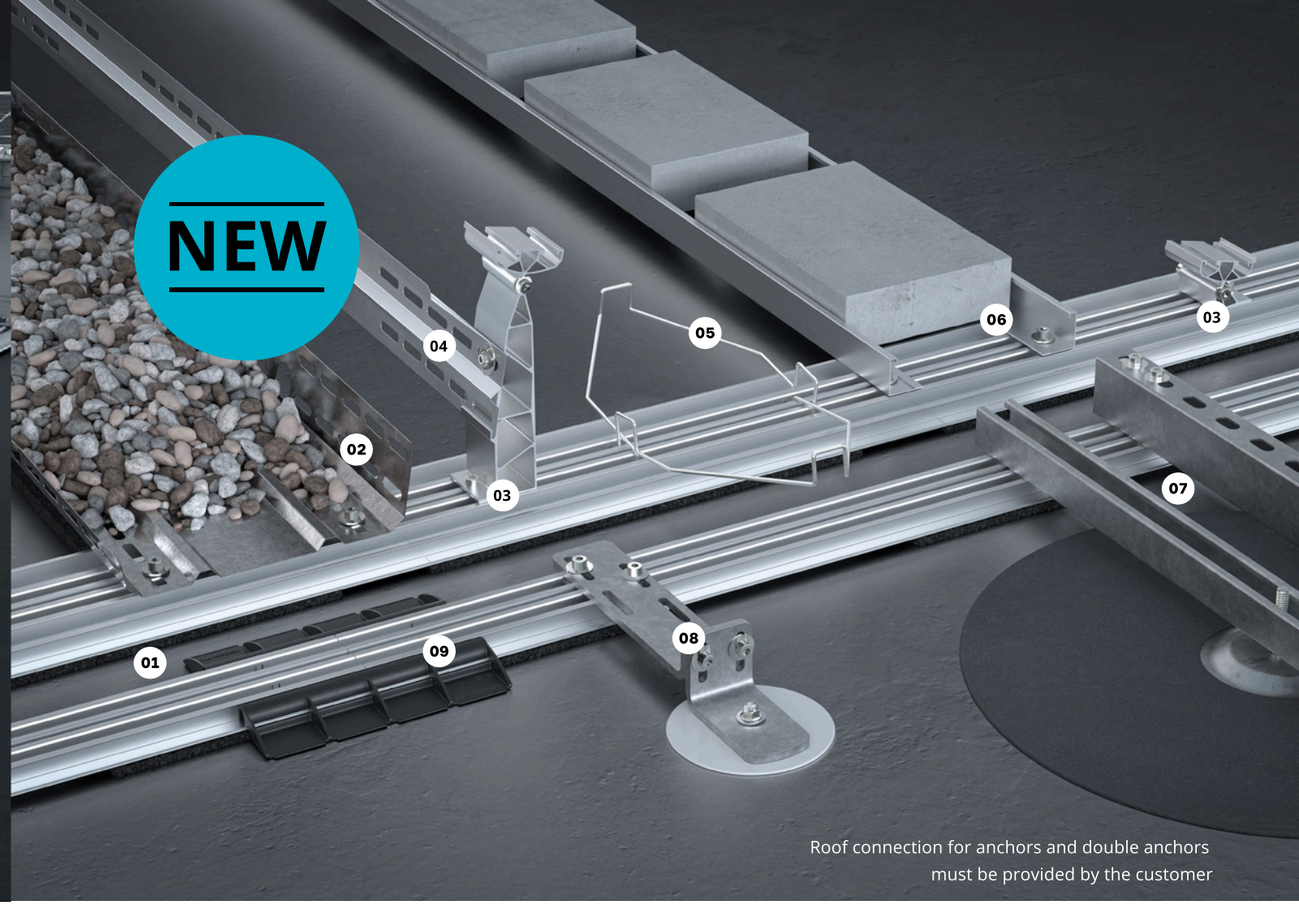
THE NEW FLAT ROOF RAIL SYSTEM
The flexible, rail-based modular system offers a solution for all conceivable flat roof applications and enables short-side and long-side clamping. With few components, we have created a large number of possibilities.

The COMPACTFLAT SN 2 is based on the previous system and now allows even larger pv modules to be used. The flexible, rail-based modular system offers a solution for every conceivable flat roof application and enables short-side and long-side clamping. The same components are used in the south-facing system as in the east/west-facing system.

- \+ Module sizes up to 98.4 in x 51.60 in / 2500 mm x 1310 mm
- \+ Low point loads
- \+ Short-side and long-side clamping
- \+ Suitable for high wind and snow loads
- \+ Flexible system with few components
- \+ Preassembled components, plug & play
- \+ One-man installation possible
- \+ Minimal storage
- \+ Optimized for pre-assembly
- \+ PV module positioning support
- \+ Wind tunnel tested
- \+ Developed in Austria



South-facing modules (SN 2) with
short-side clamping and connected rail structure



Roof connection for anchors and double anchors
must be provided by the customer

THE CHALLENGE

PV modules continue to increase in size, posing unique challenges for solar mounting system manufacturers. Economical and versatile racking systems that offer high wind and heavy snow capability, designed for quick installation, are in more demand than ever.

THE SOLUTION

COMPACTFLAT SN 2 is the large module racking solution that boasts impressive load-bearing capacity and resilience against extreme weather events. SN 2 is designed for rapid install and high loading capability and provides multiple options for mechanically attaching the system to the roof. SN 2 can be preassembled and ballasted without modules and modules can be easily removed for O&M.

FOR EVEN LARGER PV-MODULES

01 The base rail with its threaded channel enables flexible installation and is supplied pre-assembled with building protection mats. The wide base rail is 173 mm wide and can also bear snow loads of >5.4KN/m (test load) and is also suitable for very soft insulation materials (e.g. Rockwool® Durock) with very low load-bearing capacities.

NEW
02 A suitable building protection mat ensures optimum protection of the roof skin for gravel ballasting.

03 To prevent tension in the module frame, the pre-assembled foot rocker adjusts to the correct angle depending on the module width. Two grooves enable short-side and long-side clamping and provide tolerance compensation during assembly.

04 The wind deflector can be placed in the guide and is fastened with just one magnetic combination screw (pre-assembled washer).

05 Wire ballast baskets secure ballast blocks directly to baserails for a quick and cost-effective solution.

06 The cross struts can be infinitely adjusted and fixed for quick and easy pre-assembly of the system. They are also used to connect the system for long-side clamping and as ballast supports.

NEW
07 The new double anchor fixing enables flexible pre-assembly and precise positioning – regardless of the assembly. With three lengths and a stronger version, it covers all assembly variants and offers a cost-effective solution depending on the wind load.

NEW
08 The optimized single anchor fixing now also allows subsequent anchor installation next to the standard base rail (depending on the anchor construction) and can also be used for the wide base rail.

NEW
09 The load distribution plate with tool-free click installation and UV-resistant high-tech plastic ensures safe force transmission, high durability and quick installation on roofs with limited load-bearing capacity.

THE OPTIONS

The systems variety allows perfect adjustments for every single project. Two clamping options can be combined with three rail structure options as desired. This means all advantages are used in an optimal matter. Despite all these possibilities, only a few components are required.

IT'S YOUR CHOICE

1. CLAMPING OPTIONS

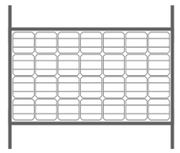
Modules can be clamped on the long side or the short side. Use long-side quarter clamping for high wind and snow loads or for large-format modules. Use short-side clamping to leverage AEROCOMPACT's shared rail design for a cost-effective racking solution.

		2. Rail structure (see below)	
		Short	Connected
SHORT-SIDE CLAMPING LANDSCAPE + Quick assembly + Reduced material costs	South-facing modules (SN 2)	●	●
	East/west-facing modules (SN 2 PLUS)	●	●
LONG-SIDE CLAMPING LANDSCAPE + High loads + Large modules	South-facing modules (SN 2)	○	●
	East/west-facing modules (SN 2 PLUS)	○	●
LONG-SIDE QUARTER CLAMPING PORTRAIT + High loads + Reduced material costs	East/west-facing modules (SN 2 Q PLUS)	○	●

2. RAIL STRUCTURE

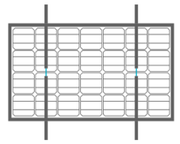
As there are different possibilities for the rail structure, the system can be individually configured to suit the respective application, regardless of the project's scale.

SHORT RAIL STRUCTURE
+ + Reduced material costs
Compact Shipping
No caterpillar effect



18 in AND 36 in RAIL LENGTHS

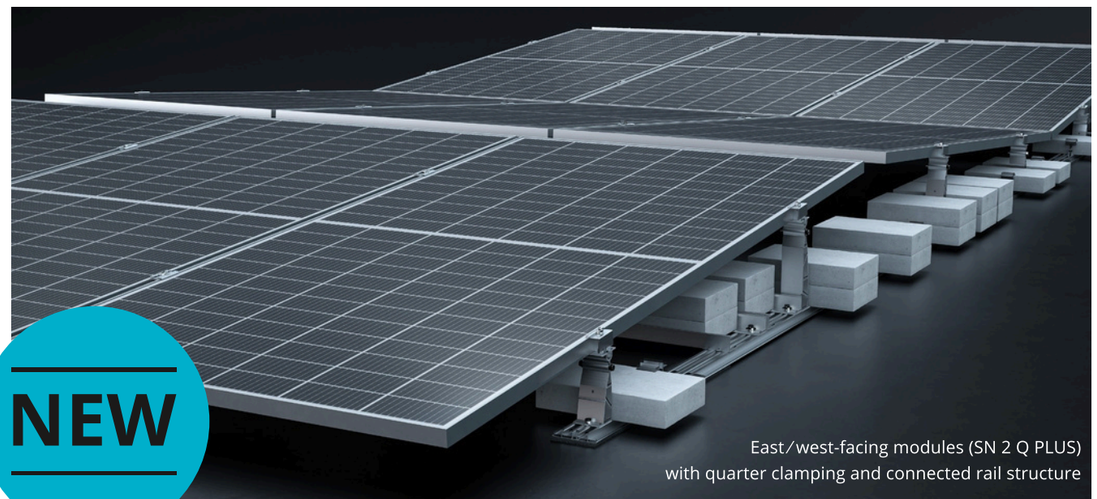
CONNECTED RAIL STRUCTURE
+ + High load capacity
Preassembly without module
Compact Shipping



MAX. 6 ft 6 in RAIL LENGTH

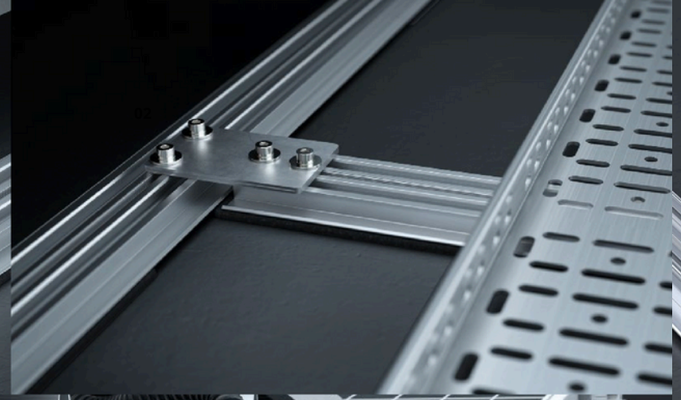
FLAT

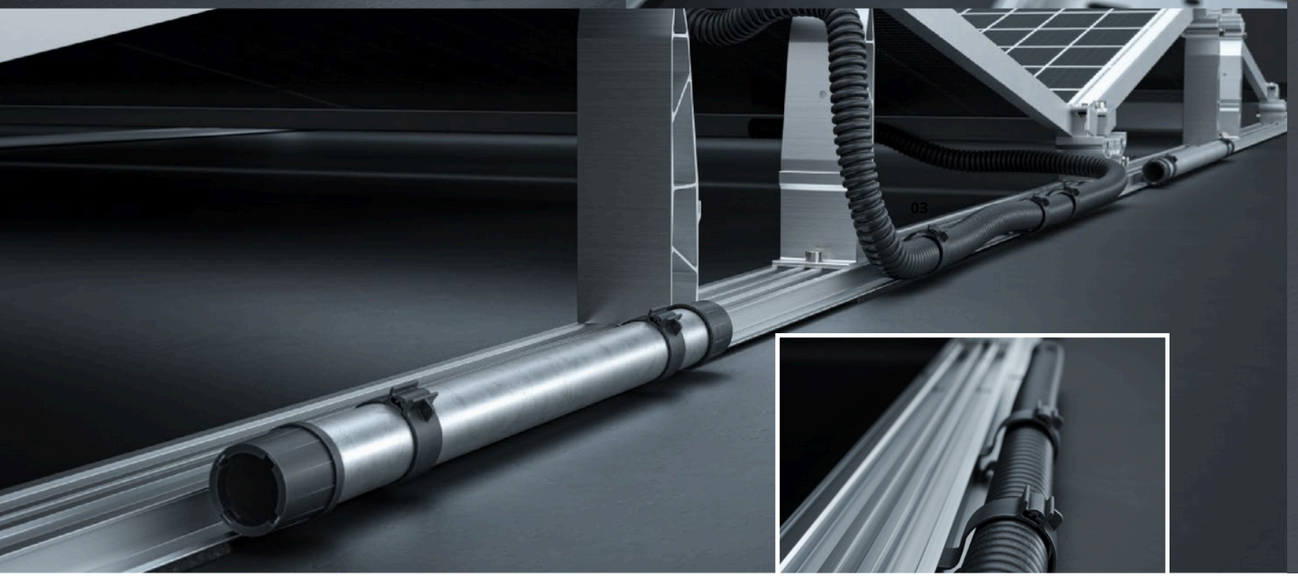
NEW

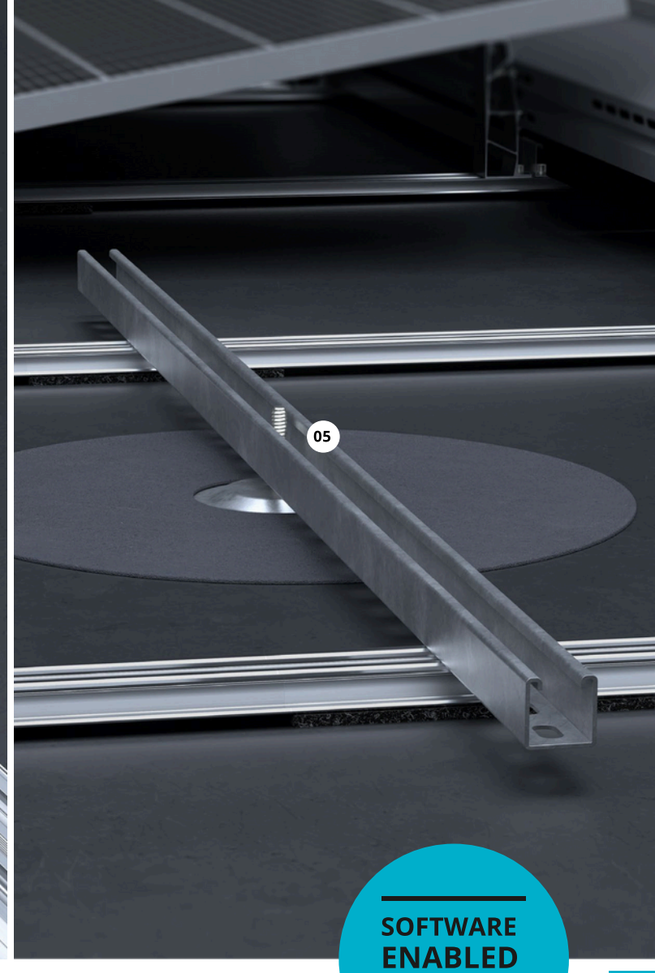


East/west-facing modules (SN 2 Q PLUS)
with quarter clamping and connected rail structure

South-facing modules (SN 2)
with long-side clamping and connected rail structure







INTELLIGENT CABLE MANAGEMENT SYSTEM

The COMPACTFLAT SN 2 range is extended with a high-quality cable management system. The assembly is, as usual, simple and time-saving.

01 Universal cable clip enables easy management of cables and cable connectors, fixed either to the module frame or to the rails. The Universal cable clip is available for all existing flat roof systems.

02 The cable connection plate allows perpendicular baserails and cable trays to be utilized. Cable trays can be attached to this rail.

03 The rail clip is ideal for laying cables along the SN 2 rail. The cables can be laid directly on the rail or protected in a cable conduit.

SINGLE AND DOUBLE ANCHOR SYSTEMS

Cost-optimized single rail anchor bracket can be adjusted in 3 directions and is used to mechanically attach the system to the roof.

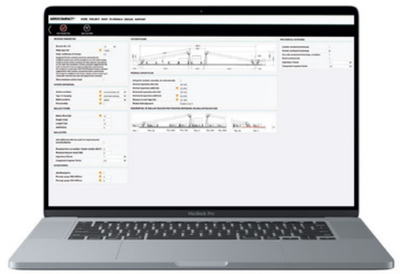
The double rail anchor provides greater load distribution and higher anchor capacity. The double rail anchor is easy to locate and install prior to stringing or module placement.

In Partnership with PZSE Structural Engineers

SOFTWARE ENABLED
AUTOMATIC SEISMIC ANCHOR PLACEMENT

AEROTOOL ANCHOR PLANING:

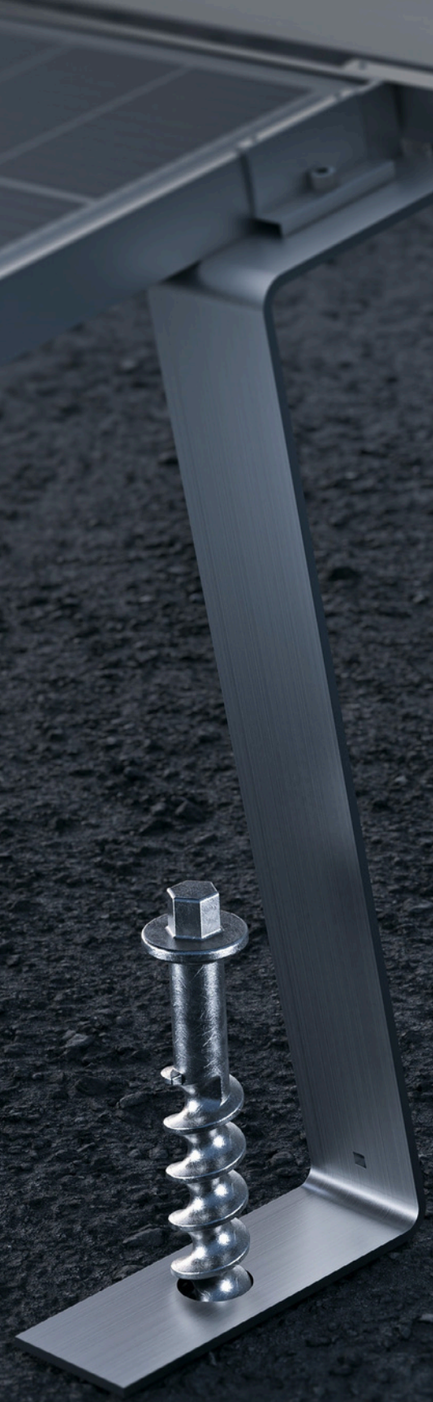
Best in class racking layout planning tool for fully automated anchoring distribution and avoids increasing ballast when seismic anchors are needed.



COMPACT**GROUND**

COMPACT**GROUND G**

LIGHTWEIGHT.
ROBUST.
INTELLIGENT.



25 YEAR PRODUCT WARRANTY · WIND TUNNEL TESTED · FAST INSTALLATION · UL 2703

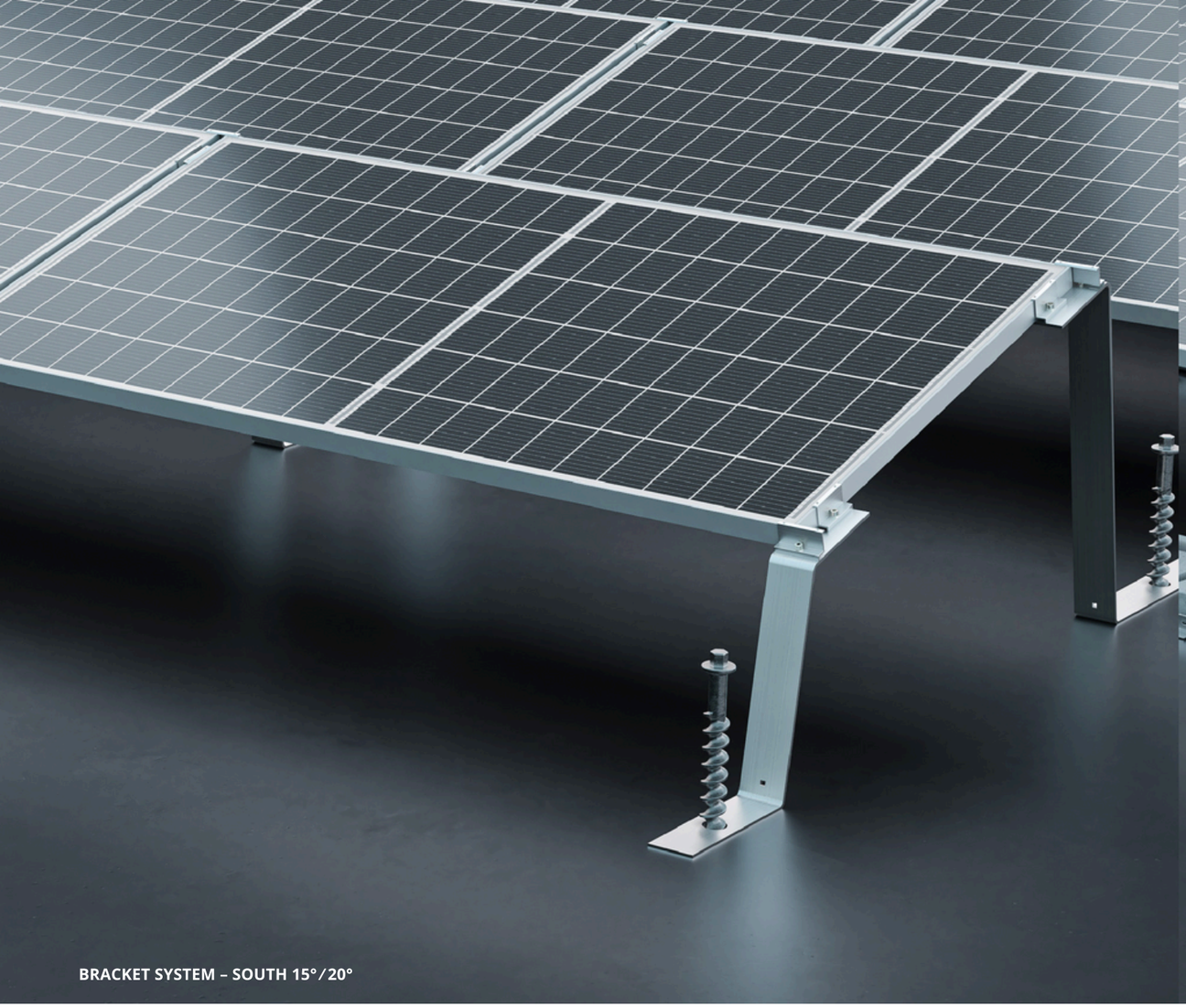
GROUND-MOUNTED SYSTEM
Safe and tested substructures for the elevated mounting of photovoltaic modules on open spaces

The COMPACTGROUND solution for open spaces has outstanding static and aerodynamic properties. It requires considerably less ballast than other systems on the market. The product family impresses with its unique flexibility and is known for its easy assembly. Planning can be easily and conveniently implemented in just a few steps with the AEROTOOL 3D online software. The software provides extensive information in a project report with structural data as well as a material list with price for the automated ordering of AEROCOMPACT products.

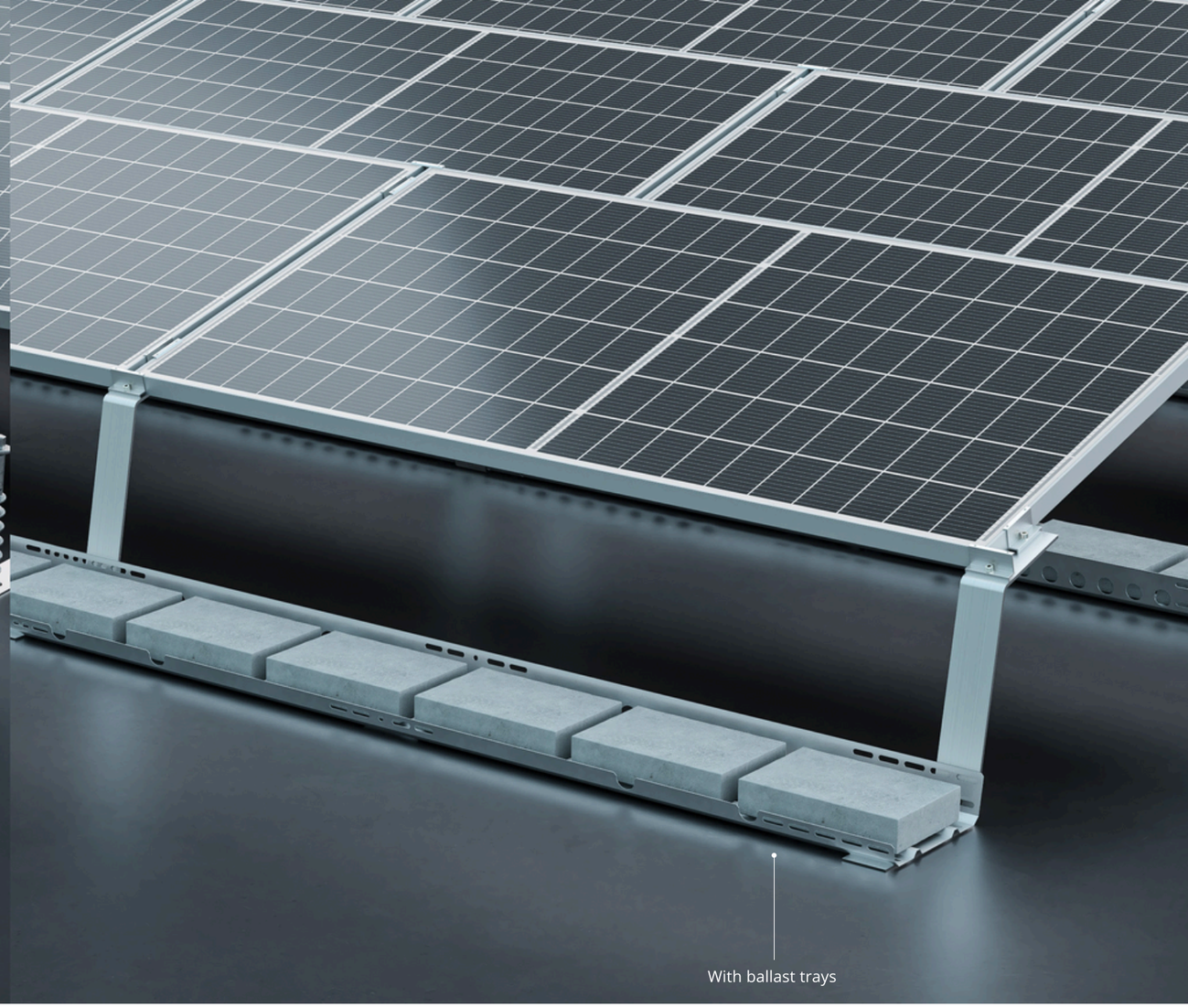
MORE EFFICIENCY
Short assembly times and lower transport costs due to fewer components.

FLEXIBILITY
Different ballast options.

RELIABILITY
The AEROTOOL software offers reliable information about statics, wind loads and snow loads.



BRACKET SYSTEM – SOUTH 15°/20°

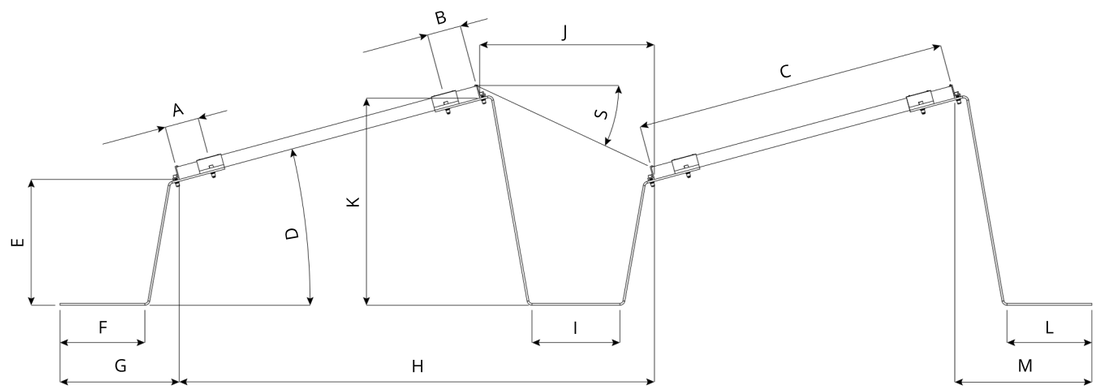


With ballast trays

COMPACT**GROUND** G15/G20

COMPACTGROUND G is our south-facing ground-mount system with an inclination of 15° and 20°. As the fastest ground-mounted system on the market, it is also possible to load up to 700 kWp into a truck. The system is built with ground anchors or ballast stones.

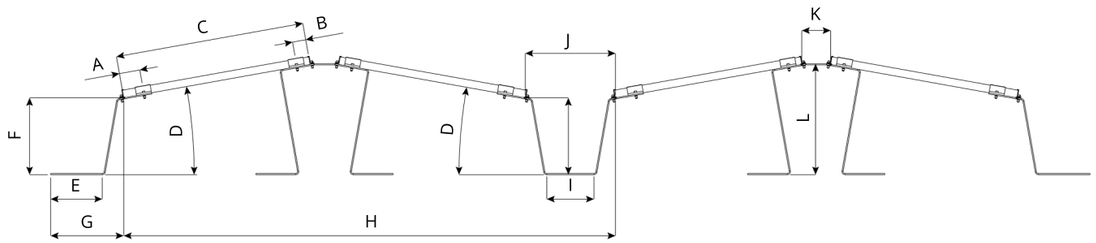
	A [in]	B [in]	C* [in]	D [°]	E [in]	F [in]	G [in]	H* [in]	I [in]	J [in]	K [in]	L [in]	M [in]	S [°]
G15 – 21.9 in – Short spacing	4.25	4.25	37.4 – 45.28	15	1 5.7 3	1 0.6 3	14.95	57.87 – 65.98	11	21.9	25.9	1 0.6 3	17.17	25
G20 – 28.9 in – Short spacing	4.25	4.25	37.4 – 45.28	20	12.51	1 0.6 3	14.31	63.87 – 72.19	18.7	28.9	25.8	1 0.6 3	17.21	25



* depending on the PV-module dimensions

COMPACT**GROUND** G10 PLUS

GROUND G10 PLUS is our east / west oriented ground-mounted system with an inclination of 10° and a ground clearance of 15.74 in. With the east / west orientation, up to 30 % more modules can be installed in the same area. The system is built with ground anchors or ballast stones.



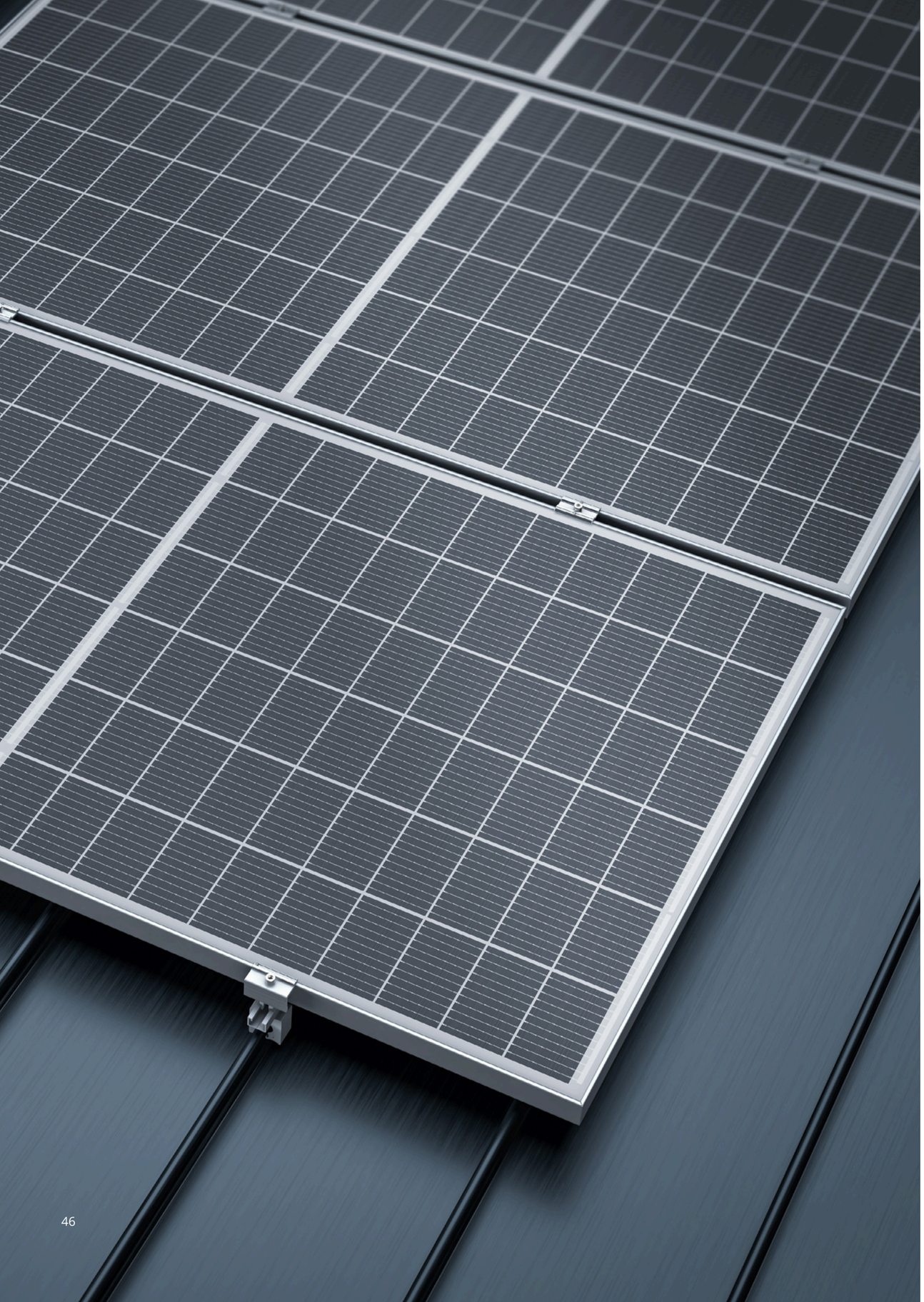
	A [in]	B [in]	C* [in]	D [°]	E [in]	F [in]	G [in]	H* [in]	I [in]	J [in]	K [in]	L [in]
G10 PLUS – 18.6 in	4.26	2.75	37.40 – 45.28	10	1 0.6 3	15.74	1 5.0 5	98 – 114	9.72	18.6	5.94	22.73

* depending on the PV-module dimensions

BRACKET SYSTEM – EAST/WEST 10°

ILLINOIS/2.2 MW/G20

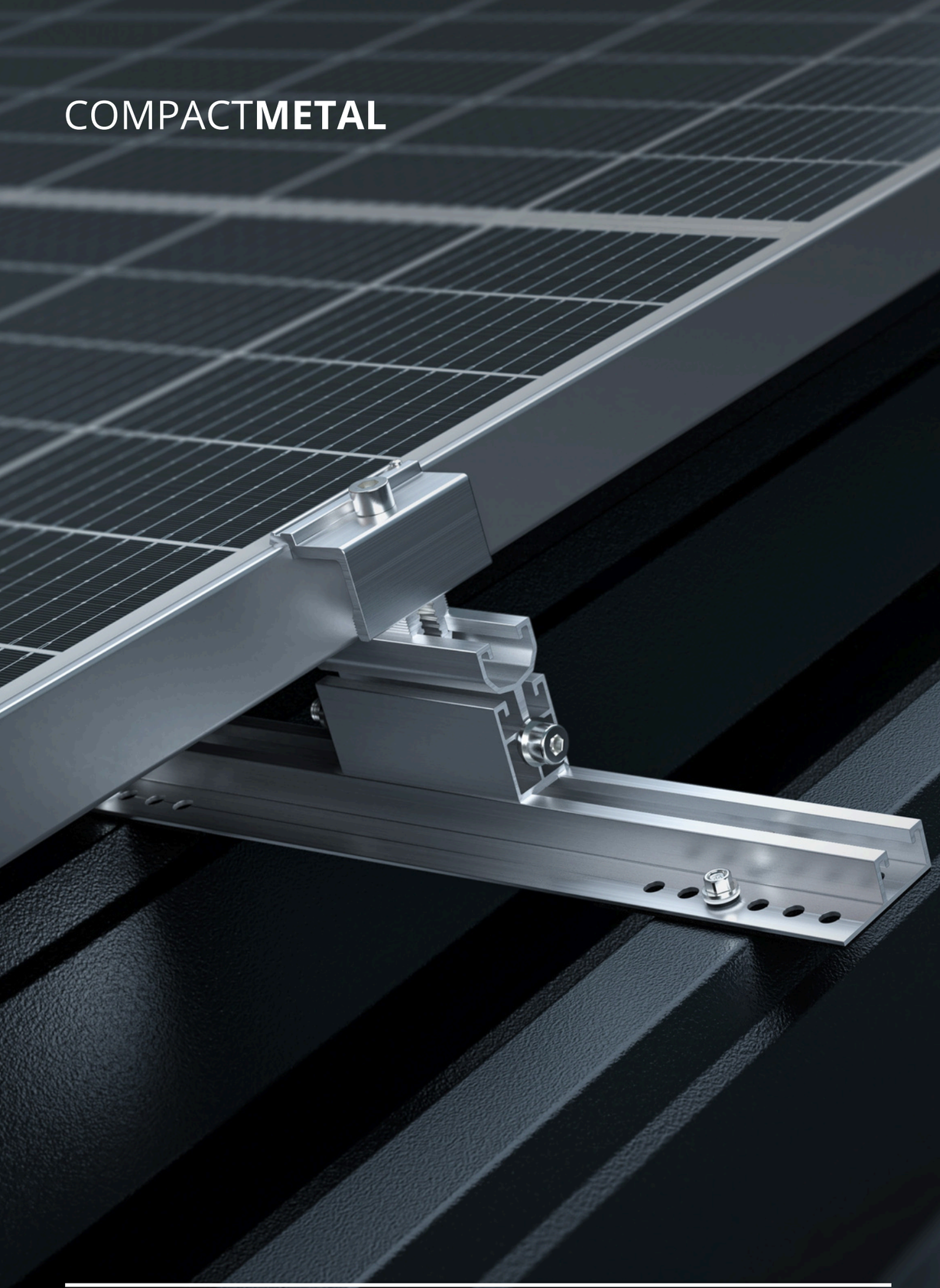
NEW JERSEY/2.5 MW/G15



COMPACT**METAL**

COMPACT**METAL**

SIMPLE.
STABLE.
PROVEN.



25 YEAR PRODUCT WARRANTY

1 KWP/ 2,5–5 MIN.

PATENTED

UL 2703

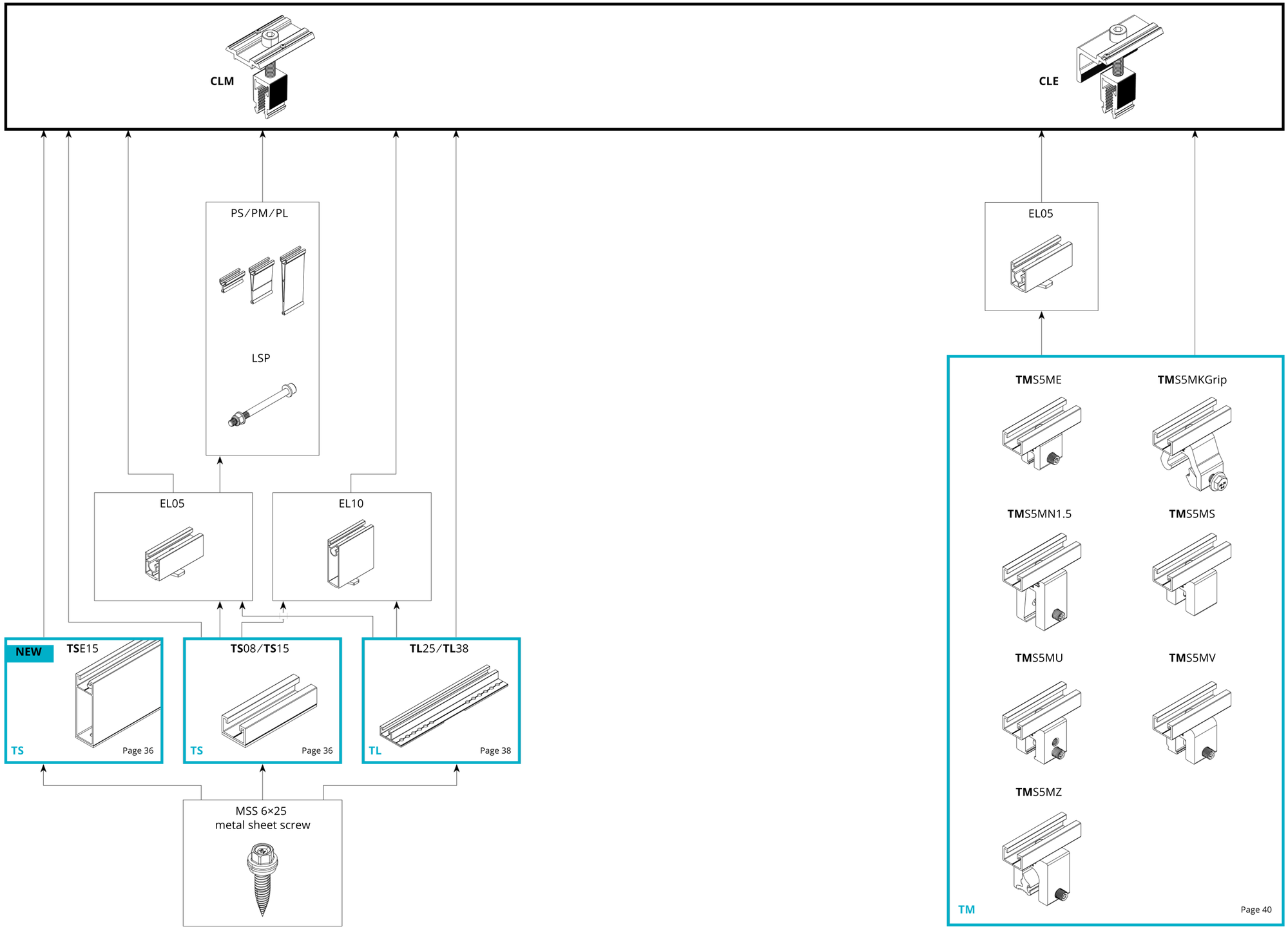
METAL ROOF SYSTEM
Compact and robust installation of PV modules on metal roofs

The COMPACTMETAL system family is used to attach framed photovoltaic modules to metal roofs and enables the PV modules to be installed in vertical and horizontal format. It is characterized by its simple and modular system. The components offer the possibility of being combined in different ways. Planning can be easily and conveniently implemented in just a few steps with the AEROTOOL 3D online software. The software provides extensive information in a project report with structural data as well as a material list with price for the automated ordering of AEROCOMPACT products.

FLEXIBILITY
COMPACTMETAL offers solutions for all types of metal roofs.

MORE PROFIT
The system enables optimized rear ventilation and thus an increase in yield.

RELIABILITY
The AEROTOOL software offers reliable information about statics, wind loads and snow loads. The components of the COMPACTMETAL modular system offer the possibility of being combined with one another in different ways.



FOR TRAPEZOIDAL SHEET AND SANDWICH ROOFS

FOR STANDING SEAM METAL ROOFS

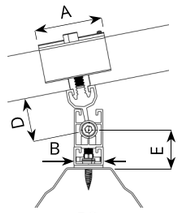
COMPACT**METAL** TS

TRAPEZOIDAL SHEET ROOF – SHORT RAIL SYSTEM
The COMPACTMETAL TS08 and TS15 are our trapezoidal sheet short rails with the best price-performance rate. The rails are pre-assembled with sealing tape.

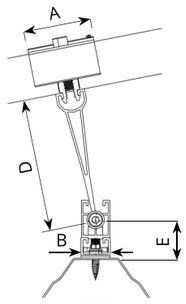
TSE15 RAISED SHORT RAILS
The product range is extended by a rail with a height of 3.15 in in order to comply with roof clearances, to ensure rear ventilation and to enable the installation of optimizers.The raised short rail can be installed without additional major assembly effort – only a bit extension is required. The appropriate bit extension is suggested during project planning in the AEROTOOL so that it is always available on site.

TS08 SHORT RAILS
Direct mounting with module clamps on 3.15 in short rails minimizes material costs and labor time. Full safety and fast installation at the best price.

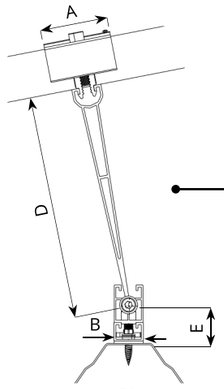
TS15 SHORT RAIL
The slightly longer short rail offers more mounting tolerance as well as the possibility to achieve a higher load capacity per fastening by using 3 instead of the usual 2 thin sheet metal screws. This short rail is optimized for use on trapezoidal sheets with low sheet thickness.



PS



PM



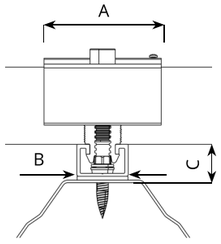
PL

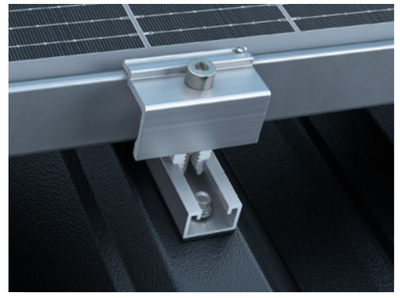
	A [in]	B [in]	C [in]	D [in]	E [in]
TS08/ TS15 TSE15 TS08 /	2.36	1.02	0.72	–	–
TS15 – EL05 TS08/TS15 –	2.36	1.02	3.23	–	–
EL10 TS08/TS15 – EL05 –	2.36	1.02	2.04	–	–
PS TS08 / TS15 – EL05 –	2.36	1.02	4.01	–	–
PM TS08 / TS15 – EL05 –	2.36	1.02	–	1.49	1.34
PL	2.36	1.02	–	4.64	1.34
	2.36	1.02	–	8.03	1.34

THE VERSIONS

TS08/TS15
+ + + +

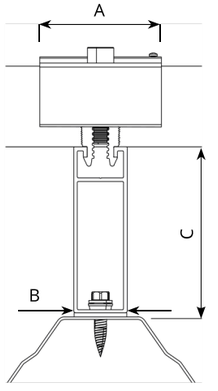
TS08 trapezoidal sheet short rail, length 3.15 in/
TS15 trapezoidal sheet short rail, length 5.9 in
CLE10 end clamp Click 1.18–1.81 in
CLM10 middle clamp Click 1.18–1.81 in
MSS 6×25 metal sheet screw

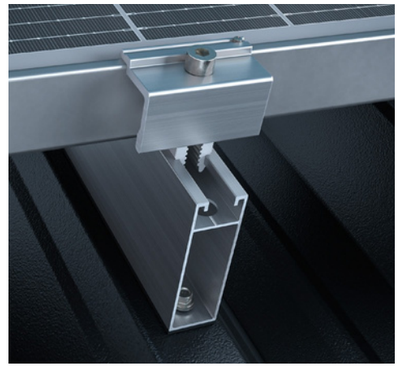




TSE15
+ + + +

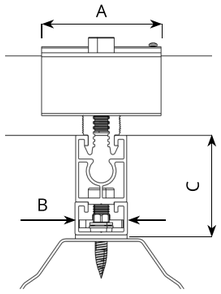
TSE15 trapezoidal sheet short rail, length 5.9 in
CLE10 end clamp Click 1.18–1.81 in
CLM10 middle clamp Click 1.18–1.81 in
MSS 6×25 metal sheet screw

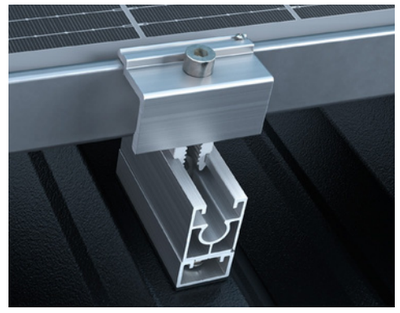




TS08/TS15 – EL05/EL10
+ + + +

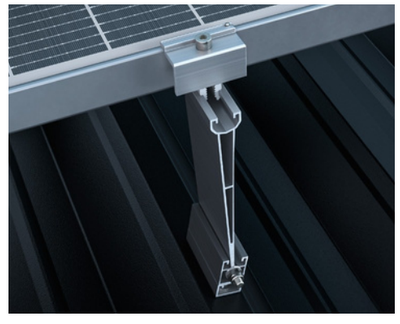
TS08 trapezoidal sheet short rail, length 3.15 in/
TS15 trapezoidal sheet short rail, length 5.9 in
EL05/EL10 height adapter
CLE10 end clamp Click 1.18–1.81 in
CLM10 middle clamp Click 1.18–1.81 in
MSS 6×25 metal sheet screw

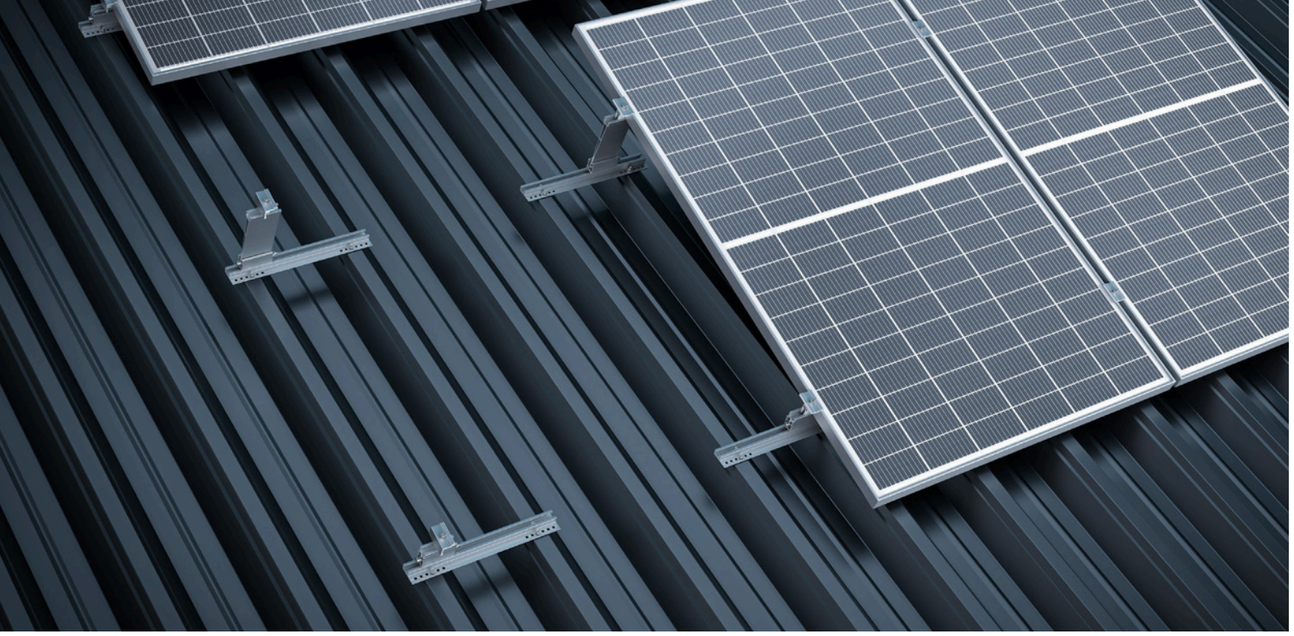




TS08/TS15 – EL05 – PS/PM/PL
+ + + + + + + + +

TS08 trapezoidal sheet short rail, length 3.15 in/
TS15 trapezoidal sheet short rail, length 5.9 in
EL05 height adapter
PS front inclination adapter
PM rear inclination adapter
PL rear inclination adapter
CLE10 end clamp Click 1.18–1.81 in
CLM10 middle clamp Click 1.18–1.81 in
LSP locking screw set to secure the inclination adapters
MSS 6×25 metal sheet screw

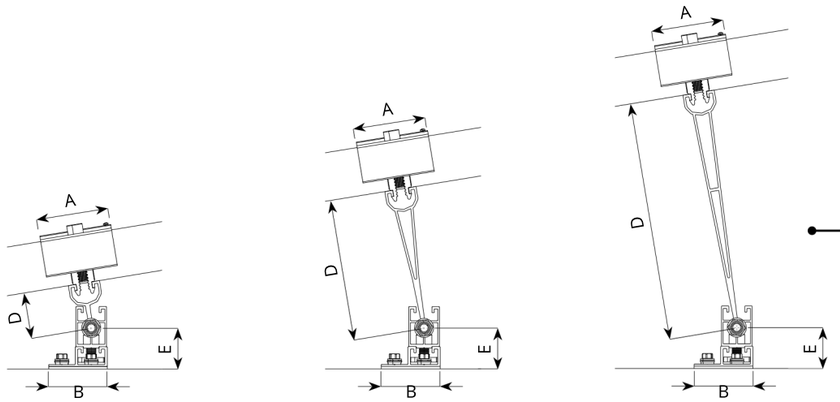




COMPACT**METAL** TL

TRAPEZOIDAL SHEET ROOF – BRIDGE SYSTEM
The COMPACTMETAL TL25 and TL38 trapezoidal sheet bridges are for longitudinal and transverse mounting. The bridges are pre-assembled with sealing tape.

TL25/TL38 TRAPEZOIDAL SHEET BRIDGE
Direct mounting with module clamps on trapezoidal sheet metal bridges minimizes material costs and working time. A safe and fast cost-effective solution.



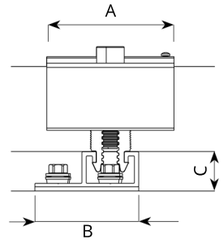
PS PM PL

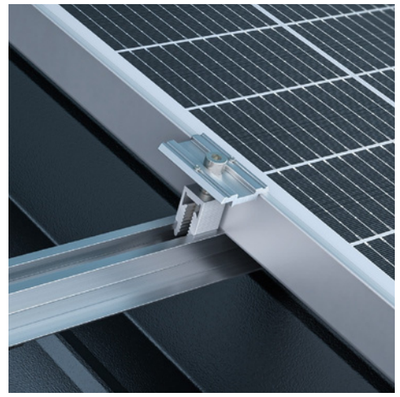
	A [in]	B [in]	C [in]	D [in]	E [in]
TL25 / TL38 TL25 / TL38 –	2.36	1.92	0.72	–	–
EL05 TL25/TL38 – EL10 TL25	2.36	1.92	2.04	–	–
/TL38 – EL05 – PS/PL TL25/	2.36	1.92	4.01	–	–
TL38 – EL05 – PS/PM TL25/	2.36	1.92	–	1.49	1.34
TL38 – EL05 – PS/PL	2.36	1.92	–	4.04	1.34
	2.36	1.92	–	8.03	1.34

THE VERSIONS

TL25/TL38

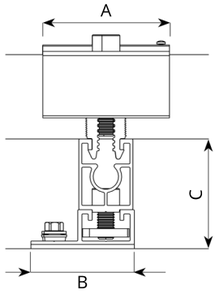
+ + TL25 trapezoidal sheet bridge, length 9.84 in/
TL38 trapezoidal sheet bridge, length 14.96 in
CLE10 end clamp Click 1.18–1.81 in
CLM10 middle clamp Click 1.18–1.81 in
MSS 6×25 metal sheet screw





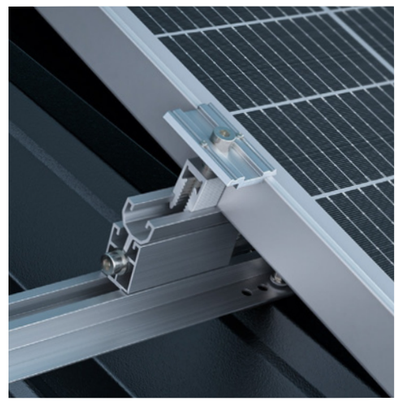
TL25/TL38 – EL05/EL10

+ + + TL25 trapezoidal sheet bridge, length 9.84 in/
TL38 trapezoidal sheet bridge, length 14.96 in
EL05/EL10 height adapter
CLE10 end clamp Click 1.18–1.81 in
CLM10 middle clamp Click 1.18–1.81 in
MSS 6×25 metal sheet screw



TL25/TL38 – EL05/EL10 – PS/PM/PL

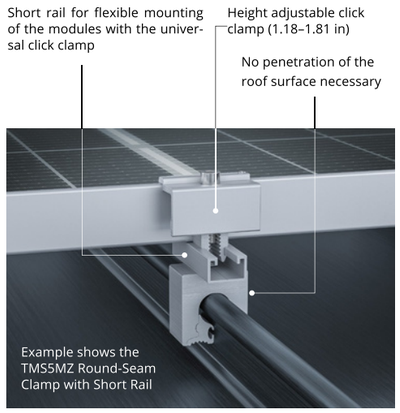
+ + + + + + + + TL25 trapezoidal sheet bridge, length 9.84 in/
TL38 trapezoidal sheet bridge, length 14.96 in
EL05 height adapter
PS front inclination adapter
PM rear inclination adapter
PL rear inclination adapter
CLE10 end clamp Click 1.18–1.81 in
CLM10 middle clamp Click 1.18–1.81 in
LSP locking screw set to secure the inclination adapters
MSS 6×25 metal sheet screw



COMPACT**METAL** TM

SEAM CLAMPS KIT SERIES

With the standing seam series COMPACTMETAL TM, the installation of PV modules on practically all seam sheet roof types is possible. Clamps with the pre-assembled short rail are designed for direct fastening of PV modules. By optionally attaching the X40/X50 mounting rail, the alignment of the modules is also possible in portrait mode (portrait format).



S-5! The Right Way!®

PARTNERSHIP WITH S-5!®
FOR ALL STANDING SEAM ROOFS | S-5.COM

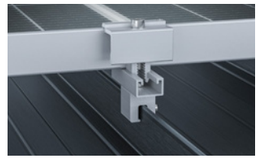
25 YEAR PRODUCT WARRANTY

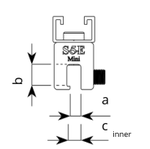
PTL SolarPTL CERTIFIED TO UL 2703

FAST INSTALLATION

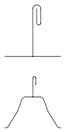
	TMS5ME	TMS5MKGrip	TMS5MN1.5	TMS5MS	TMS5MU	TMS5MV	TMS5MZ
a [in]	0.28	0.52 – 0.77	0.50	0.54	0.47	0.47	0.45
b [in]	0.55	0.92	1.58	0.90	0.90	0.90	1.38
c [in]	0.36	0.94 – 1.19	0.63	–	0.54	0.54	0.87

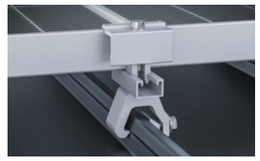
THE SEAM CLAMP KITS

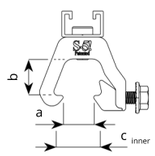




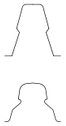
TMS5ME DOUBLE-FOLD CLAMP WITH SHORT RAIL
Penetration-free and rail-less standing seam metal roof system with S-5!®1 clamps designed for traditional 1 in and most 1.5 in double-folded standing seam profiles in zinc, stainless, aluminum and coated steel.

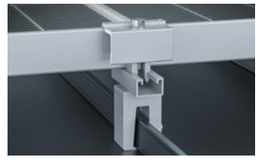


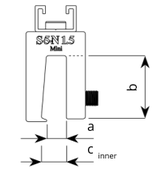




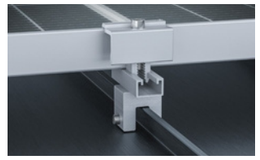
TMS5MKGRIP CONCEAL-FIX CLAMP WITH SHORT RAIL
Penetration-free and rail-less standing seam metal roof system with S-5!®1 clamps designed for concealed-fastened roofs - KLIP-LOK®2, CLIP-LOC®3, Klip Rib®2, Speed Deck®4, LOC–RIB®5 & Mirage®6 & similar profiles.

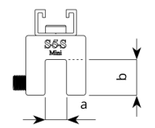




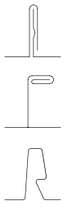


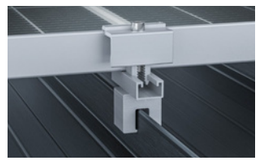
TMS5MN1.5 NAIL-STRIP CLAMP WITH SHORT RAIL
Penetration-free and rail-less standing seam metal roof system with S-5!®1 clamps designed for wider throat of clamp accommodates most 1.5 in narrow nail strip profiles.

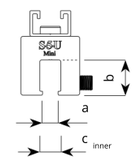




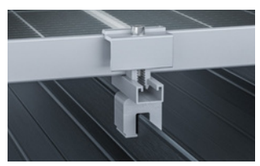
TMS5MS SNAP-SEAM CLAMP WITH SHORT RAIL
Penetration-free and rail-less standing seam metal roof system with S-5!®1 clamps designed for popular snap-lock profiles & single-folded (angle-seam) profiles with horizontal dimensions ≤ 0.54” (0.51 in).

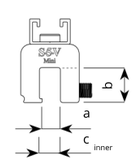




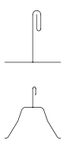


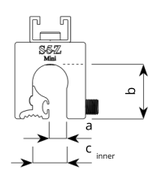
TMS5MU DOUBLE-FOLD CLAMP WITH SHORT RAIL
Penetration-free and rail-less standing seam metal roof system with S-5!®1 clamps designed for most standing seam profiles manufactured in North and South America.



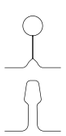


TMS5MV VERTICAL DOUBLE-FOLD CLAMP WITH SHORT RAIL
Penetration-free and rail-less standing seam metal roof system with S-5!®1 clamps designed for most vertical, machine-folded, standing seams.





TMS5MZ ROUND-SEAM CLAMP WITH SHORT RAIL
Penetration-free and rail-less standing seam metal roof system with S-5!®1 clamps designed for round “bulb”-shaped roof profiles ≤ 7/8” (0.87 in) in diameter.



Registered trademarks, by company:

1 S-5! Metal Roof Attachments; 2 BLUESCOPE STEEL LIMITED; 3 Metal Sales Manufacturing Corporation; 4 Stramit Corporation Pty Limited; 5 ROLLED STEEL PRODUCTS, INC.; 6 MCELROY METAL INC.

MODULE CLAMPS

CROSS-SYSTEM CLICK-CLAMPS

Not all click-clamps are alike. The difference is in the details.

Due to the optimized spring legs and the preformed click area an easy assembly is possible. The retaining ring makes the positioning of the PV modules easier. Due to the massive pressure piece, there is a clamping and form-firm connection with the mounting bracket. The stable clamp has two pins which break through the anodized layer and thus enable a good electrical contact and grounding. They also counteract the high torque and allow for easy positioning, thus ensuring greater safety during dynamic mounting.

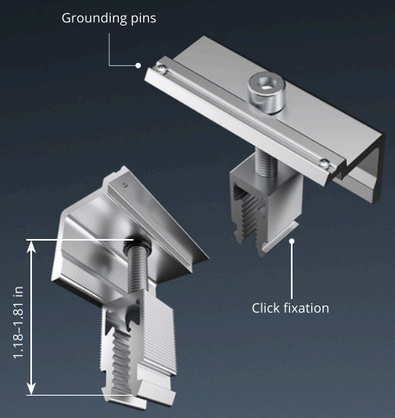
The popular flat roof bracket system uses only two types, the end and middle clamp. This saves storage costs and the installer always has the right clamp at hand. The click clamp is the heart and forms a stable unit with the substructure.

PROFIT FOR THE BUYER

+ Cost savings due to reduced inventory
+ Only 4 types
+ Cross-System

INCREASED PERFORMANCE FOR THE CUSTOMER

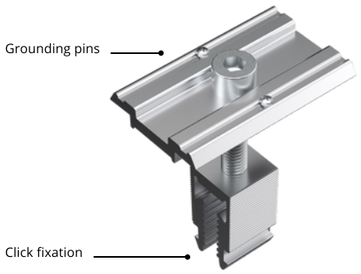
+ System compatibility: Always the right clamp with you
+ Final screw fixation entails locking of the clamp and screw
+ Stiffness of the connection of the substructure (bracket system)
+ Soft spring legs: Effortless assembly
+ Massive design of the click part (jamming and "straightening" when screwing) as well as screw guidance through formed thread.
+ Positioning aid for module mounting
+ Robust design: Allows dynamic assembly (cordless screwdriver)



END CLAMP CLE10
AEROCOMPACT click-clamp for PV module racking on endpositions, with the length of 2.36 in. 1.18–1.81 in adjustable with integrated grounding pin. The clamp is also available in black (CLEB10).

END CLAMP CLE10+
AEROCOMPACT click-clamp for PV module racking on endpositions, with the length of 3.14 in. 1.18–1.81 in adjustable with integrated grounding pins. The clamp is also available in black (CLEB10+).

MIDDLE CLAMP CLM10
AEROCOMPACT click-clamp for PV module racking at midpositions, with the length of 2.36 in. 1.18–1.81 in adjustable with integrated grounding pins. The clamp is also available in black (CLMB10).



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