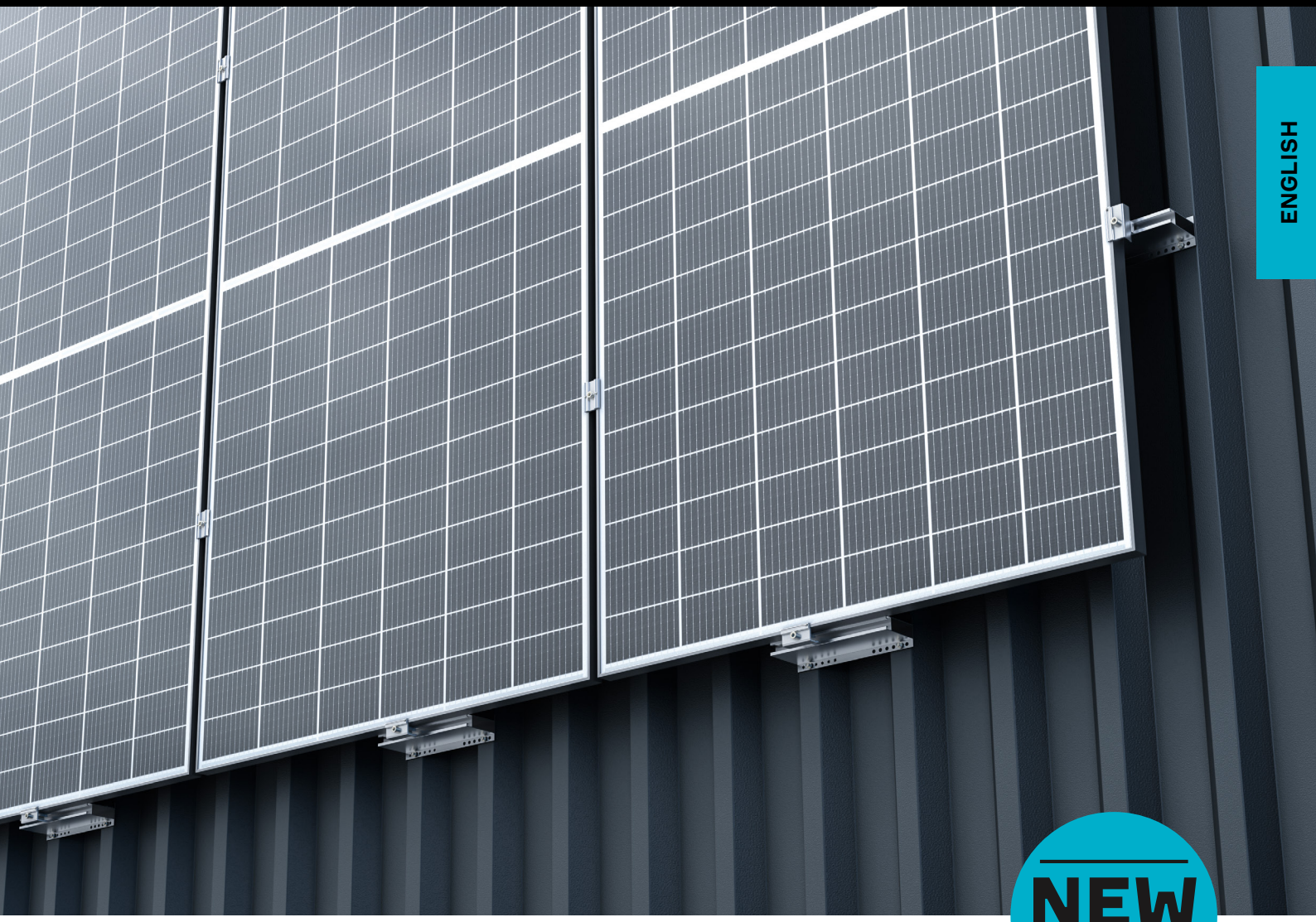
AEROCOMPACT®



ENGLISH

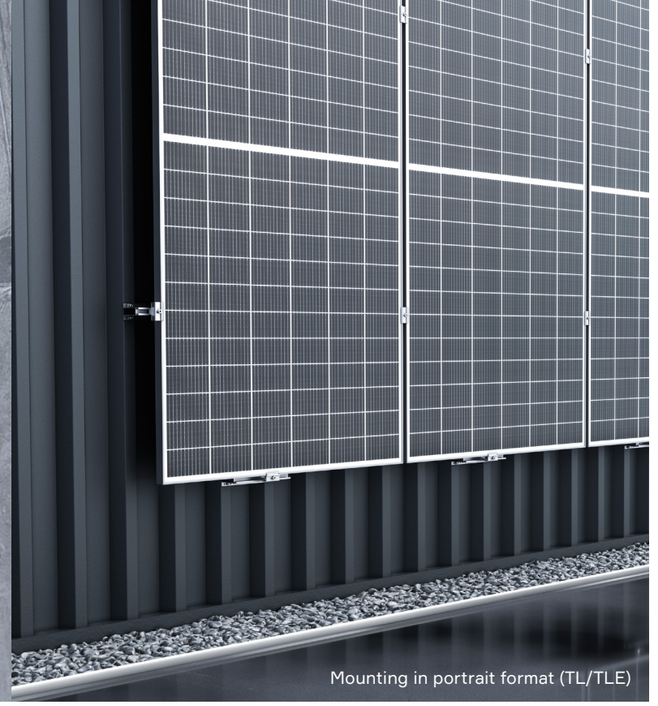
NEW
PV FACADE INSTALLATION

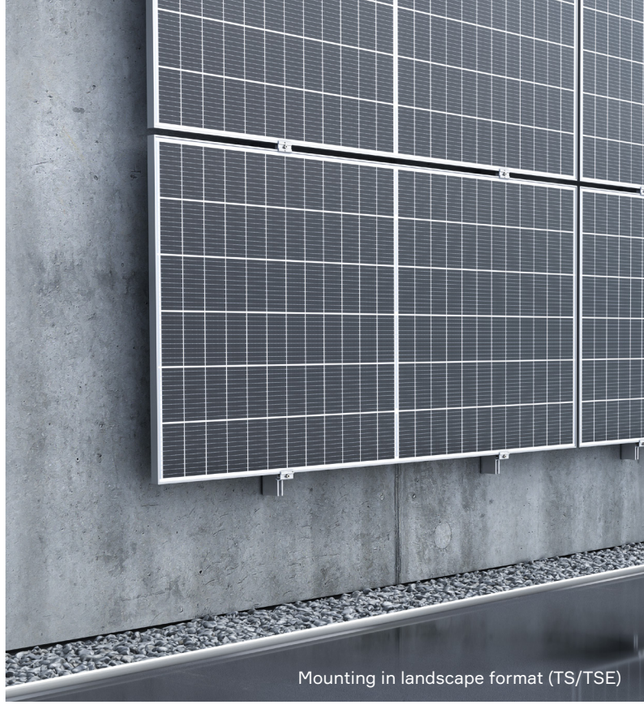
COMPACT**WALL TS/TL**

WE ARE EXPANDING OUR PRODUCT FAMILY AND GOING VERTICAL: WITH OUR NEW COMPACTWALL TS/TL SYSTEM, WE ARE INCREASING THE POTENTIAL OF FACADES AS ENERGY SOURCES AND SUSTAINABLY IMPROVING THE ENERGY BALANCE OF BUILDINGS.

INTELLIGENT SOLAR RACKING

+ Low additional weight on the facade
+ Minimalist, cost-efficient design
+ Existing components already in stock
+ Optimum rear ventilation


Mounting in portrait format (TL/TLE)


Mounting in landscape format (TS/TSE)

CLAMPS ALSO AVAILABLE IN BLACK

THE CHALLENGE

The vertical alignment of PV modules presents mounting systems with challenging tasks. Technical designs and special mounting challenges must be taken into account.

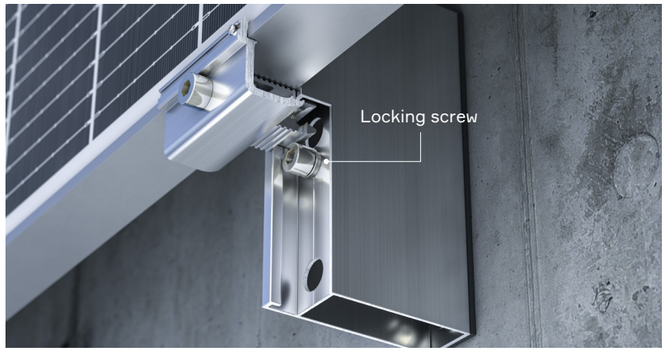
This includes compliance with building standards and fire protection guidelines, which differ from conventional roof installations. The mounting systems must guarantee optimum rear ventilation for high performance and withstand increased wind loads. Overheating and thermal expansion can lead to stresses that cause cracks in the facade and serious damage. Poor sealing allows moisture to penetrate the facade and can damage the building fabric, while the reduced yield of conventional PV roof systems in winter due to the low sun is another point in favor of installing facade systems.

THE SOLUTION

With COMPACTWALL TS/TL, we are making a statement on the market. The installation solution for a wide variety of facade types impresses with its high cost-effectiveness and maximum security.

Cost-efficient, optimum fastening is achieved through the reduced use of materials with COMPACTMETAL components, while the lightweight construction significantly reduces the load on the facade. The raised rail design generates optimum cooling of the PV modules. This ensures increased performance and service life of the PV modules and prevents potential facade damage.

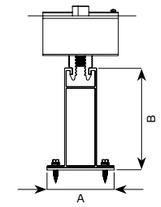
Mounting solutions can also be offered for sandwich applications on request via our support team.

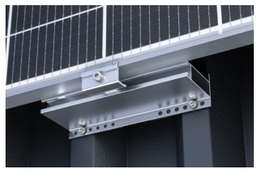


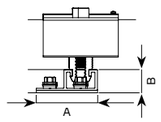
THE VARIANTS

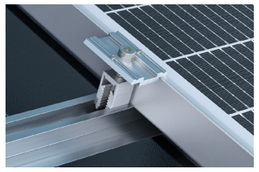
COMPACTMETAL TL*/TLE FOR MOUNTING IN PORTRAIT FORMAT

The new, raised rail systems TLE25 and TLE38 further optimize the installation steps for portrait format alignments of PV modules on trapezoidal sheet metal facades and roofs. The reduction in product components minimizes the installation effort and simplifies the individual work steps. Thanks to the star punching in the TLE and without additional accessories for potential equalization, time and costs are reduced. Both TL and TLE variants are available in lengths of 250 mm and 380 mm.



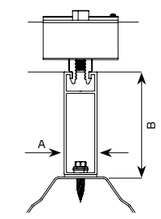


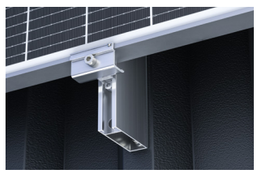


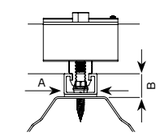


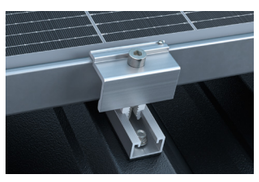
COMPACTMETAL TS*/TSE FOR MOUNTING IN LANDSCAPE FORMAT

The two short rail variants allow the PV modules to be mounted in landscape format. The raised short rail TSE is 80 mm high to ensure sufficient rear ventilation for the full performance of the PV modules. This makes it easy to install optimizers. Both TS and TSE variants are available in lengths of 150 mm.









	A [mm]	B [mm]
TLE	54	82
TL*	49	18,5
TSE	26	82
TS*	26	18,5

*** The two variants TS and TL in low version are only available on request.**

For efficient and reliable planning, we offer a free step-by-step guide on our website with the new planning guide.

AEROCOMPACT®

TECHNICAL DATA

DESCRIPTION	Short rail mounting system or trapezoidal sheet metal bridge for approved PV modules for various facade types
APPLICATION AREA	Trapezoidal sheet metal, concrete wall; Sandwich panel with TR (only on request)
MODULE DIMENSIONS	Any length and width, frame height 30-50 mm
OPENING ANGLE	Wall parallel
DISTANCE FROM THE FACADE TSE/TLE	min. 80 mm, TS/TL min. 18 mm
DISTANCE FROM THE END OF THE WALL	At least 25 cm, reinforced installation applies in the edge area due to increased wind loads and turbulence
MAX. FIELD SIZE	Vertically unlimited, horizontally approx. 5.7 m or 5 modules (mounted upright)
MIN. FIELD SIZE	1 x 1 module
WINDLOAD	Suction load up to 2.4 kN/m2 (kPa)
DESIGN / STRUCTURAL ANALYSIS	Simple design and structural analysis with planning guide
ON-SITE REQUIREMENTS	Sufficient static load-bearing capacity of the facade construction and the building support structure must be ensured on site
COMPONENTS	Module clamps with earthing pins, trapezoidal sheet metal bridge or short rail, earthing and lightning protection clamp, optimizer fastening
MATERIALS	Load-bearing connecting parts made of aluminum EN AW 6063 T66, EN AW 6005 T6 and stainless steel 1.4301 / A2-70; seals made of EPDM

PB COMPACTWALL EN V1 05-2024

AEROCOMPACT.COM

AEROCOMPACT® Europe GmbH
Gewerbestrasse 14
6822 Satteins, Austria
T: +43 5524 22 566
E: office@aerocompact.com