

COMPACTPITCH XT

LIGHT. STABLE. INTELLIGENT.

Compact and tested installation of PV modules on tiled roofs

The COMPACTPITCH XT is a rail-based installation system for framed or frameless PV modules on tiled roofs. The COMPACTPITCH XT impresses with its key concept. The central structural component is the aluminum profile rail, which offers greater structural load-bearing capacity due to its distinctive triangular shape.

AEROCOMPACT®



In contrast to other rail systems, less installation material is required for the **COMPACTPITCH XT** to achieve the same product performance. The rail sits on a stable aluminum roof hook, which ensures a firm connection to the roof. The rail is height adjustable on the hook.

The module clamps with click-on attachment can be used for all frame heights from 30–50 mm and are designed with grounding pins. Installation work is thus made considerably easier; which means significantly shorter installation times. The profile rail is offered in lengths of 4.2 and 6.2 meters. The clamps and profile rails are also available in black upon request.

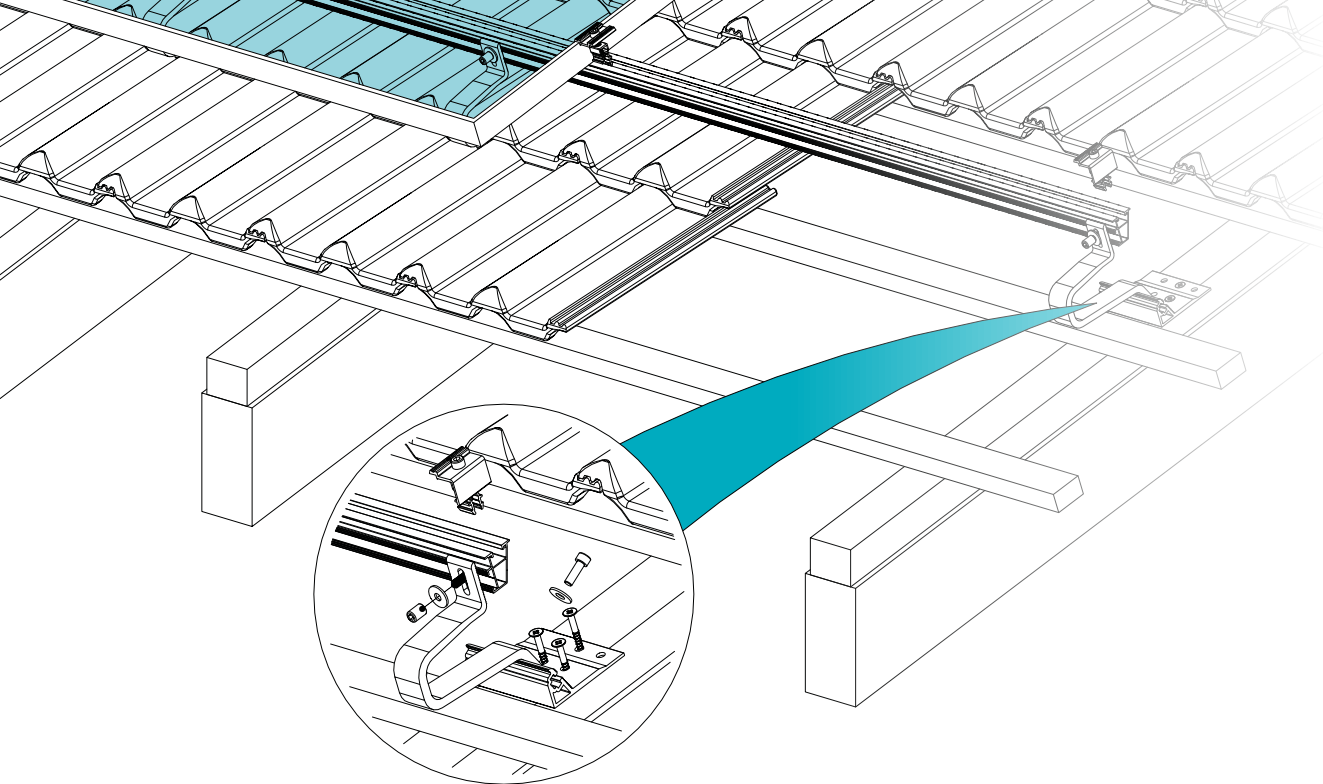
The **COMPACTPITCH XT** system has been tested according to the latest standards, is UL 2703-certified, and comes with a 25-year warranty.

The **COMPACTPITCH XT** system is stored in our 3D engineering software **AEROTOOL**. The **AEROCOMPACT®** customer center is able to issue clear and competent project reports based on empirical data.

With few main components, the **COMPACTPITCH XT** achieves an exceptional price-performance ratio. In addition to the attractive system price, the simple installation of the smart system saves time and resources.

TECHNICAL DATA

Description	Rail-based installation system for framed or frameless PV modules on tiled and corrugated roofs
Scope of use	On pantile, beaver tail, shingle, corrugated, and sandwich roofs
Module dimensions	Length and width at customer's discretion; frame height 30–50 mm or frameless
Installation angle	Roof-parallel
Row spacing	-
Distance from the roof surface / floor surface	At least 100 mm
Distance from roof edge	No minimum distance; roof areas F and G as per EN 1991-1-4 can be covered
Max. building height	-
Max. roof pitch	60°; even steeper with appropriate PV modules
Max. field size	Approx. 12 m; along traversing rail; otherwise unlimited
Min. field size	1 x 1 module
Wind load	Suction load usually up to 2.4 kN/m ²
Snow load	Pressure load in the cross connection up to 5.4 kN/m ²
Design/stability verification	Software-assisted based on European/national standards
On-site requirements	Sufficient structural load-bearing capacity of the roof structure and the building's supporting structure must be ensured on site. The general terms and conditions, terms of warranty, and the user agreement apply.
Module approval	Not usually necessary
Components	Module clamps with/without grounding pin; single-layer rail arrangement horizontal/vertical or in a cross connection; roof hooks, hanger bolts
Materials	Bearing connecting parts made from aluminum EN AW 6063 T66, EN AW 6005 T6 and stainless steel 1.4301 / A2-70; seals made from EPDM



- › Cross connection possible
- › High-degree of structural stability
- › Modular aluminum installation rail system
- › Height-adjustable rails
- › Stable roof hooks made out of aluminum
- › High degree of corrosion resistance
- › Optimum installation times
- › TÜV-certified as per UL 2703
- › Engineered in Europe
- › General building inspectorate approval applied for
- › 25 years product warranty



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AERCOMPACT®

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