

COMPACTPITCH XW

LIGHT. STABLE. INTELLIGENT.

Compact and secure installation of PV modules on corrugated roofs

The COMPACTPITCH XW is a rail-based installation system for framed or frameless PV modules on wave-shaped roofs (corrugated, plate, etc.). The COMPACTPITCH XW 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 XW** to achieve the same product performance. The rail sits on a stable hanger bolt, which ensures a firm connection to the roof. The height of the rail on the bolt can be adjusted by means of a long metric thread.

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.

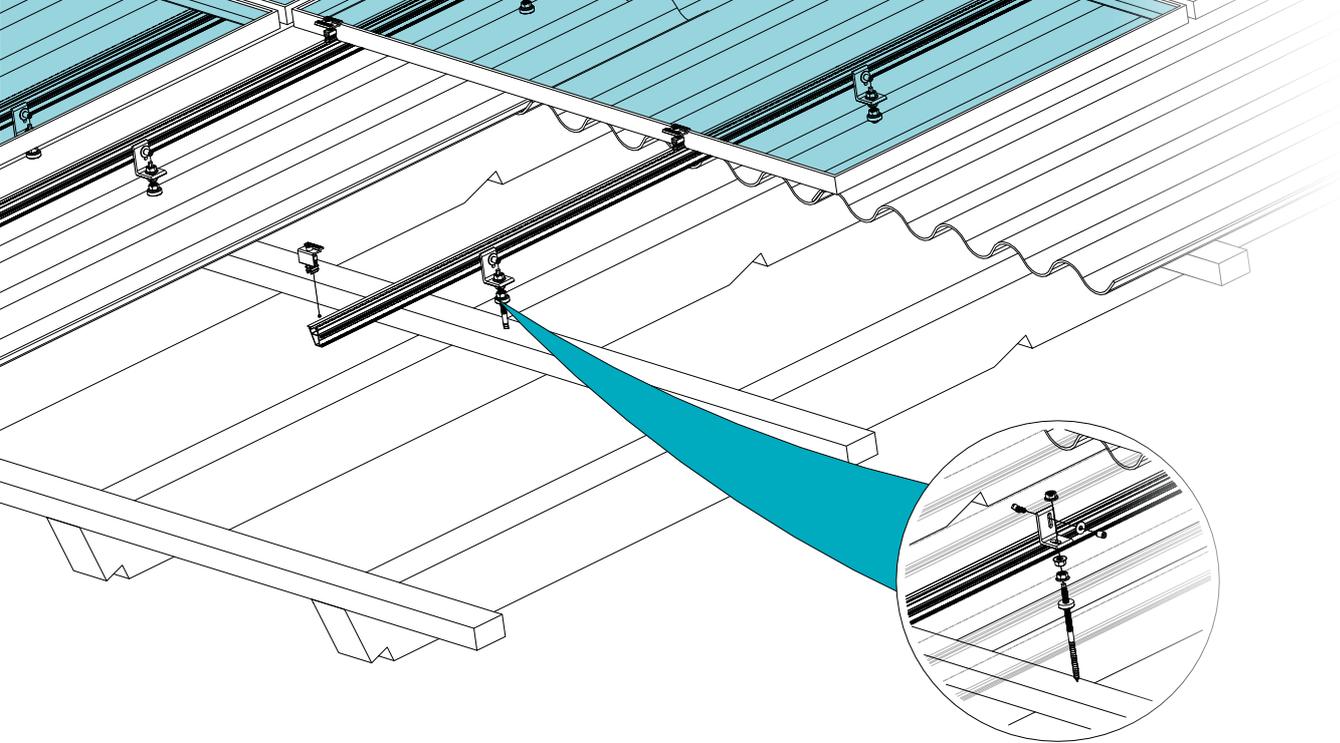
The **COMPACTPITCH XW** system has been tested according to the latest standards, is UL 2703–certified, and comes with a 25–year warranty.

The **COMPACTPITCH XW** 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 XW** 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

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|---|---|
| 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
- › Long thread for height adjustment
- › 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



< Scan QR code to watch installation video

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