

PV MOUNTING OVERVIEW



Solar Mounting System



No longer do you need to fabricate your own solar brackets and mountings for roof installations. Our new and innovative solar mounting system allows quick and easy way to install solar panel arrays using modular components.

Using quality aluminium and stainless steel, our solar mounting system is economical, practical and reliable. The flexibility of the system also means it can cater to almost all roof types.

Features:

- ✓ Complete universal solar roof mounting solution
- ✓ Suitable for all types of solar modules
- ✓ Made of modular components, reducing components needed
- ✓ Made of high-quality aluminium and stainless steel for outstanding performance
- ✓ Mechanically calculated and rigorously tested to ensure maximum safety
- ✓ Easy to use and assemble
- ✓ Reduce installation time and increase productivity
- ✓ Suitable for various roof types and conditions
- ✓ Quality assurance and management according to ISO9001



Suitable for:

- ✓ Tiled Roofs
- ✓ Corrugated Roofs
- ✓ Trapezoid Roofs
- ✓ Seamless Metal Roofs
- ✓ Flat Roofs
- ✓ Grid Connect Systems
- ✓ Off-grid systems

Tiled on-roof PV mounting system

A wide range of roof hooks with different strength limits and structures are available for different roof tiles and substructures. Pre-assembled components and innovative designing details make the installation easy and efficient.



Easy rail fixation with pre-assembled hooks.



Components

Standing seam roof mounting sys

A wide range of standing seam clamps is available depending on roof sizes and installation requests. The innovative design of the standing seam clamps greatly save installation time and cost. Standing seam clamps and T-shaped bolt can easily fix the rail to standing seam roofs. Various standing seam clamps to suit different types of roof.



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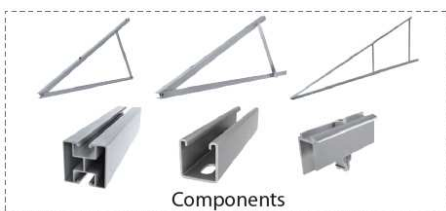
Components

Flat roof mounting system

Angled support structures are adopted for flat roofs. Apart from standard types, we also developed several adjustable types to satisfy various installation demands and customers' requirements. Ballasts or bolt connections can be used to secure the system to the roof.



Fix the aluminium rail to the triangle structure by adopting T-head bolts.



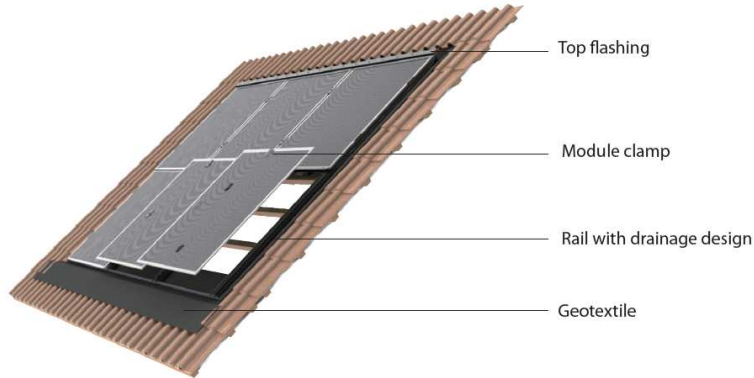
Components



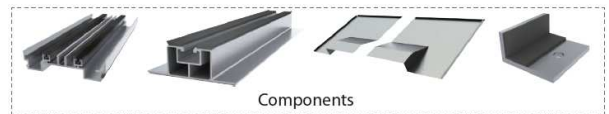
Triangle structures are connected to concrete bases by bolts.

OTHER ROOF MOUNTING TYPES

Tiled in-roof mounting system

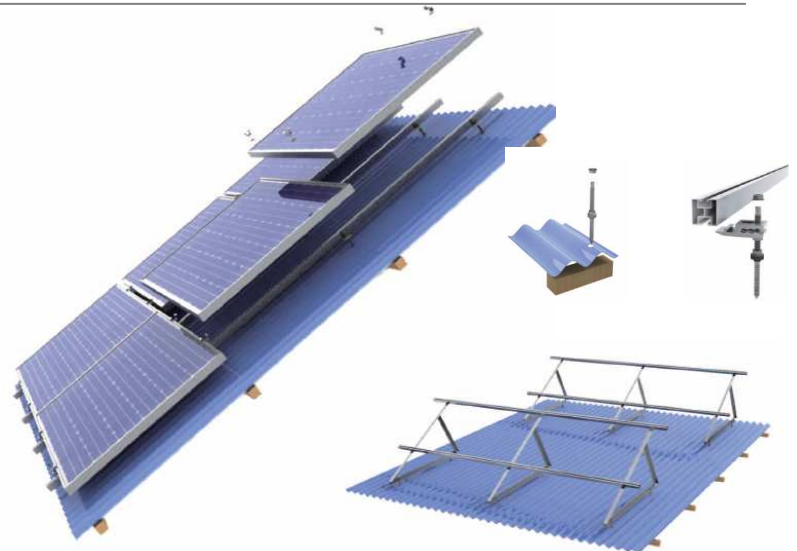
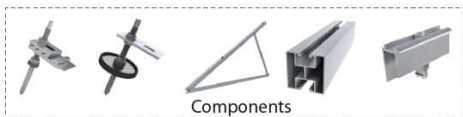


For roof integrated systems, high level of expertise is required. Each system is delicately designed to resolve the leak problem and to limit roof surface damage to minimum. The aim is to achieve both aesthetics and functionality.



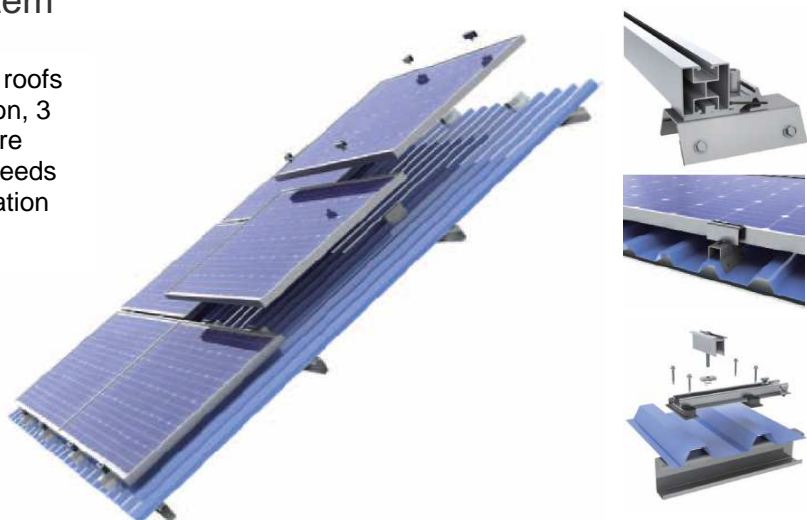
Corrugated Roof mounting system

Double-threaded screws with various connection designs and different supporting brackets are used to secure the the rail to the roof. In addition to mounting solutions adapted to pitched roofs, angled support structures for sheet metal roofs are also available.



Trapezoidal roof mounting system

All of the mounting solutions for corrugated roofs can be applied to trapezoidal roof. In addition, 3 innovative systems for trapezoidal roofs were also developed. These adaptor brackets speeds up rail connections, which saves the installation time as well as the cost.



Windstream mounting system

Windstream is specially designed for flat roof with limited load capacity. This system is designed with application of principles of aerodynamics. This innovative roof connection method makes the system stable even under big wind load. The system is easy to install and causes no roof damage, suitable for asphalt and membrane roofs.



• Wider aluminium rail bottom design, which lowers the roof loading capacity.



Prolong the aluminium rail with splice bar.

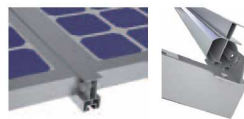
• The air deflector has aerodynamic effect to prevent the frame from overturning by strong wind.

Open ground mounting system

According to different terrain types and installation conditions, we have developed 10+ types of ground mounting systems, which can be sorted into two categories: Ground truss mounting series and ground single-pole series.



← Ground Truss series VGPCF



Special aluminium rail designed with slot, allowing modules to be silled in directly.

Reference Projects



Tiled roof mount in Tel Aviv, Israel



Trapezoidal roof mount in Tel Aviv, Israel



Flat roof mount in Hangzhou, China



Ground mount in Ningxia, China

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Specification subject to change without notice.

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