

Title: Photovoltaic bracket tpo double-layer guide rail

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What is a 60 cm roof-solar TPO rail?

It is used on buildings with TPO membrane roofs. Without ballasting or perforation of the membrane, the installation of photovoltaic panels is facilitated. The use of 60 cm Roof-Solar TPO rails results in a linear load distribution (rather than point load), thus reducing the risk of puncturing.

Are roof-solar TPO photovoltaic mounting systems reliable?

A resistant solution, the Roof-Solar TPO photovoltaic mounting has undergone several tests to be certified by a New Technology Survey (Enquête de Technique Nouvelle - ETN) by Alpes Contrôles: resistance to climatic loads, watertightness, condensation, corrosion resistance. All the results of these tests show the reliability of this mounting system.

Which mounting systems are suitable for photovoltaic assemblies?

The SolidRail mounting system for photovoltaic assemblies is suitable for nearly all coverings. This includes pan tiles, plain tiles, slate tiles, trapezoidal sheet metal, corrugated fibre cement, corrugated sheet metal and standing seam roof. Comprehensive range of mounting rails for varying load profiles Robust and structurally proven

Where can I find information about the solidrail PV mounting system?

Detailed information about our system can be found in the product catalogue. The SolidRail PV mounting system is suitable for almost all roof coverings. The focus of the application is on flexible solutions for roof connection.

The rails and brackets feature a sliding self-aligning design, with a tolerance of  $\pm 5$ mm, improving installation efficiency by 70% compared to traditional solutions.

Rails of Roof-Solar TPO and Roof-Solar Tilted TPO photovoltaic mounting are hot air welded (read more about the steps here) to the TPO membrane manually or in a semi-automated way.

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Photovoltaic guide rail is a bracket system specifically designed for installing solar photovoltaic modules, mainly made of aluminum alloy material, with the characteristics of lightweight, ...



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Our technical team can propose a variety of possible bracket layout solutions through force analysis of the building structure, the arrangement of the photovoltaic matrix and the verification ...

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Since 2005 Valin New Energy, focuses on solar bracket installation solutions for TPO/PVC membrane roofs. Meanwhile, we boast large-scale manufacturing capabilities for rooftop solar brackets, ground ...

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