PV mounting system for flat roofs south MSP-FR-S by Schweizer.

The MSP-FR-S photovoltaic mounting system is typically orientable in a south-facing direction without roof penetrations and with low roof load for framed photovoltaic modules on flat roofs.

The south MSP-FR-S mounting system is the flexible solution for flat roofs with a very simple and rapid installation and uncompromising material quality.
All parts have been developed for quick and error-free installation. Efficient pre-assembly makes your work on the roof even more productive.
The system is very flexible and universally applicable due to various loading and row spacing options. It can also be used as an extension of the east-west MSP-FR-EW mounting system for maximum usage of the roof area. The system made of high-grade aluminium is suitable for flat roofs with foil or bituminous membranes.

South MSP-FR-S photovoltaics mounting system by Schweizer.

Perfect system for time and cost-effective mounting.

Application
– Mounting system without roof penetration, with a low roof load of the entire framed photovoltaic modules on flat roofs

Fast and easy installation
– Assembly in less than 20 Minutes per kWp (without weighting)
– No time-consuming measuring, drilling or cutting work
– No problem with uneven roof surfaces: the system adapts to the roof topography regardless of drainage channels or variances

Options
– Screw fittings with lightning current carrying capacity
– Ballast troughs for applying gravel

Technical Data
– 10 degree nominal mounting angle
– Choice of row spacing
– Roof pitch: Flat roofs up to 3 degrees (optional with structural connection to the roof support up to 10 degrees)
– Roof membrane: Foil and bituminous membranes (PVC, FPO/TPO, EPDM, etc.), gravel and concrete on request
– Insulation: Matching base profiles for various loadable insulation layers (contact pressure is checked)
– PV modules: 60 and 72-cell (6")
– Universal clamps for module frame heights of 30 to 50 mm
– Materials: Aluminium, stainless steel (A2/A4), polyester non-woven protective layer (450 g/m^2)
– Minimum system size: 2 × 2 modules
– Wind tunnel tested, aerodynamic study according to WTR guidelines

Fast and simple planning
– The Solar.Pro.Tool by Schweizer provides detailed documentation of the static calculations, bills of materials and drawings for a fast and safe installation. In addition, the complete 3D visualisation provided by Schweizer's Solar.Pro.Tool enables simple and fast layout planning and optimum use of the roof.

Advantages at a glance
– Efficient workflow: No time-consuming measuring, drilling or cutting work
– Fast pre-assembly saves installation steps
– Preserves roof durability: Problem-free roof drainage, no penetration of roof membrane
– Optimised load distribution: Suitable base profile length for each type of insulation material
– Simple handling: Short profiles, no long rails
– Mounting independent of module possible
– Only one bit necessary: Torx 30
– Only two different types of screws
– Only one grounding per block (including module grounding)

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