

Solar systems from Schweizer



Tender specifications PV mounting system

Flat roof east-west MSP-FR-EW

- **Technical description:**

Aerodynamically designed flat roof mounting system for photovoltaic modules on flat roofs including all system components. Planning and necessary structural design with verification using the manufacturer's own design software. For foil or bitumen roofing as well as on concrete or gravel roofs.

- **System features:**

Nominal elevation of 10°. Installation is carried out without penetrating the roof. The system is secured by ballasting. Roof pitch $\leq 3.0^\circ$ (optionally with on-site connection to the roof substructure up to 10°). Maximum block size 15 m x 15 m (thermal separation). The minimum roof edge distance is ≥ 0.15 m. Roof unevenness of up to 2° can be accommodated. Pre-manufactured components, no drilling or cutting necessary. Pressure load on the roof can be minimised by selectable base plate lengths. Universal clamps for solar module frames with a frame height of 28–50 mm. Potential equalisation including integration of the module frames and tested lightning current carrying capacity up to 100 kA.

- **Tests and certificates:**

The system is certified according to TÜV 2 PFG 1794, including monitoring by TÜV.

The clamps and cross connectors are certified by DiBt, approval number 14.4-926

The continuity of the earthing and corrosion resistance have been tested by VDE renewables Report ET2_184427

The lightning current carrying capacity and corrosion resistance have been tested by the DEHN-Test centre
Report 1863

- **Material:**

- Construction Aluminium, support system made of ZM-coated steel.
- Small parts made of stainless steel and protective coating without plasticiser migration.