



SOLON Fixed Tilt

Fixed tilt solution for PV power plants.

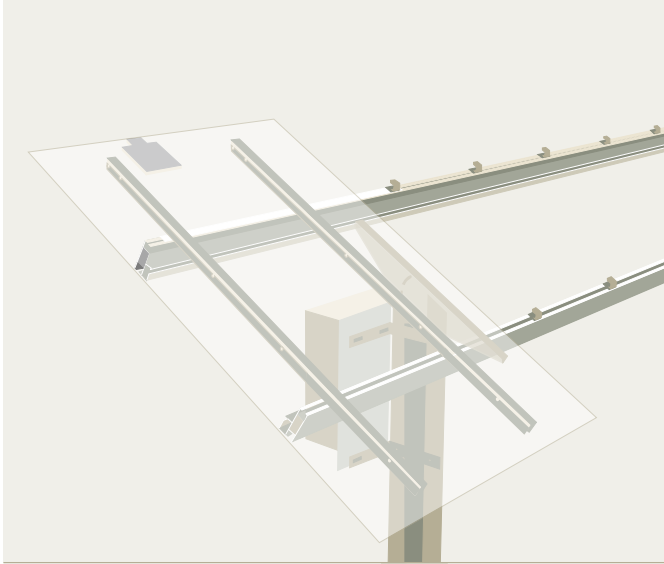
- › PV mounting system designed for large SOLON modules
- › Low material cost
- › Efficient land utilization
- › Customized configuration solutions
- › Based on our long-standing experience in PV power plant solutions

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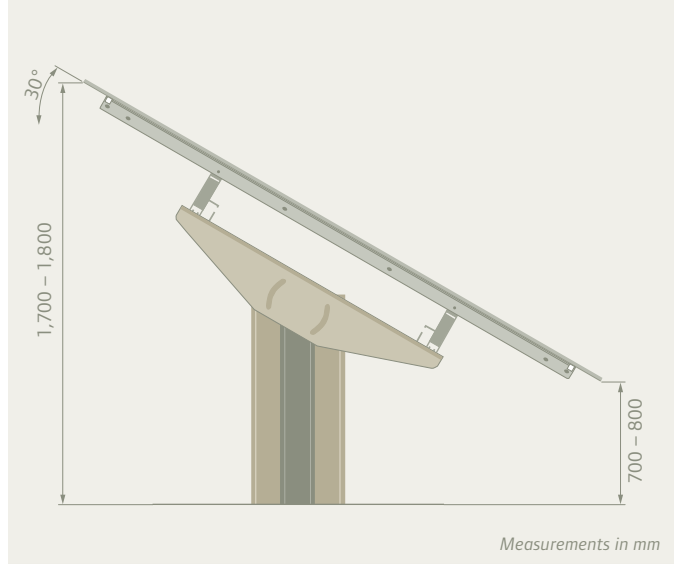
For many years SOLON has implemented PV power plants world-wide and is deemed to be a pioneer in tracking systems with the complete PV system SOLON Mover. This long-standing

experience in developing power plant solutions is the basis for the new SOLON Fixed Tilt – our fixed tilt system for large SOLON modules.

System set-up



Profile view



Flexibility

Depending on soil conditions the base will be chosen. This means that the PV system is well adaptable to the specific location and even fits to inclined slopes.

Efficiency

The low cost of materials and maintenance plus the project-specific configuration make the SOLON Fixed Tilt a very cost efficient system. In addition, the large frameless SOLON modules contribute to its efficiency. They are developed especially for operation in PV power plants and produce in small areas the highest possible yields.

Modules

SOLON Blue 350	Nominal Power P_{max} 350 Wp
SOLON Black 375	Nominal Power P_{max} 375 Wp
SOLON Black 450	Nominal Power P_{max} 450 Wp

System data

Modules/Measurements (L x W x H)	Large SOLON modules with 4 mm solar glass, 1,981 mm x 1,309 mm x 4 mm
System height	1.70 m – 1.80 m with 30° inclination (distance between bottom edge of module and ground 0.7 m – 0.8 m)
Material	Aluminum and hot-dip galvanized steel, mounting parts-plastic (fiber glass reinforced polyamide)
SOLON system	With integrated wire trunking
Angle of inclination	0° – 30°
Wind resistance	120 km/h – 180 km/h (according to standard statics)*
Snow load	1,0 kN/m ²
Certificates	TÜV: IEC 61215 Edition II, IEC 61730
Required space	Approx. 2.1 ha for 1 MW, based on topography, location and vegetation

* Depending on foundation and distance between the pillars



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