

# Triton South elevation

The Triton south elevation system is an aerodynamic PV mounting system for flat-pitched roofs and flat roofs with low load reserve. The angle of inclination of the module can be selected between 10°, 15° und 20°. Additional vertical loads are minimized by the aerodynamic characteristics of the system.



## Technische Daten

inclination	10°	15°	20°
Module width	950-1.200 mm *	950-1.200 mm *	950-1.200 mm *
weight	3,5 kg/m <sup>2</sup>	4,0 kg/m <sup>2</sup>	4,5 kg/m <sup>2</sup>
Shading distance	any	any	any
Material	Aluminium	Aluminium	Aluminium
Surface load	8 kg/m <sup>2</sup> **	10 kg/m <sup>2</sup> **	12 kg/m <sup>2</sup> **
Surface requirement	from 10 m <sup>2</sup> /kWp **	from 12 m <sup>2</sup> /kWp **	from 15 m <sup>2</sup> /kWp **

\* special solution possible

\*\* can vary depend on the module type and local condition

➤ **Your benefits**

- Suitable for roof pitches from 0° till 15°
- Suitable for film and bitumen roofs, gravel and green roofs, as well as sheet metal coverings
- Suitable for film and bitumen roofs, gravel and green roofs, as well as sheet metal coverings
- Integration into an existing lightning protection system is no problem
- Project-related statics according to DIN 1055 or EN 1991
- Module clamping on the short side
- Very high degree of pre-assembly and thus very low assembly time
- No pre-assembly at the construction site needed. It can be started immediately with the installation
- No drilling and cutting work on the roof -> chip-free assembly -> clear protection / conservation of the roof membrane
- Water flow is guaranteed in ALL directions. No backwater formation. No damage and risks that may arise in this case
- Bumps on the roof may be structurally balanced without any effort on the roof
- Use of laminated aluminum protective mats which are fixed to the structure by clips. No solution and migration of the mats, external causes. No impairment of the roof membrane by Plasticizers
- Optimal aerodynamics for minimum roof loads. Tested in the wind tunnel from the IFI Institute in Aachen.
- Statics, material and production facility tested and certified by VdE
- GS-tested
- Lighting current safely inspected and tested
- Project-specific ballast plan and a structural analysis

