



Data sheet

Simply Better IROC® S3 for flat roofs

The flat roof system IROC® S3 (south elevation) is lighter, cheaper and faster to install than conventional systems. We have further developed the already existing advantages and improved the system even more. The wide bearing surface of the module carrier and the module supports guarantees a faster alignment of the system. The continuous bottom rail is an integral part of the IROC® system. This ensures that the rows are connected and requires less ballasting than conventional systems without a continuous floor rail. Our flat roof substructure IROC® S3 is aerodynamic, needs less ballast and has no roof penetration. All our components are statically proven. Pre-assembled components reduce the assembly time. Dismantling of the roof in case of renovation work is also possible without any problems. The system is packed for transport in a space-saving way, resulting in lower transport costs than with conventional flat roof systems.

The PV flat roof system IROC® is suitable for all flat roofs, such as foil, bitumen, gravel and green roofs.

Advantages:

- ✓ Structurally proven components
- ✓ I.F.I. certificate
- ✓ Lightning current carrying capacity
- ✓ Fast assembly
- ✓ No roof penetration
- ✓ Low ballast
- ✓ Optimal aerodynamic values
- ✓ Suitable for almost all roof types
- ✓ For up to 10° roof pitch
- ✓ Continuous floor profile
- ✓ Wide contact area
- ✓ Roof protection mats included
- ✓ Easy to assemble and disassemble
- ✓ Optimal air flow for modules
- ✓ Can be combined with IROC® EW3 system

Mounting angle	10°, 15°
Grid dimension	Depending on the module width; available for 1 and 2 modules (for the 10° elevation also available for 3 modules)
Roof edge distance	It can be built up to the roof edge of the building (recommended 70 cm roof edge distance)
Module size	Suitable for all module sizes available on the market
Building height	Max. 35 meter
Snow load	Standard up to 1,5 kN/m² / more on request (e.g. for very high snow loads)
Roof pitch	Up to 10° roof pitch possible without roof penetration
Roof covering	Foil, bitumen, gravel, green and sheet metal roofs
Material	Screw connections V2A, load-bearing components made of aluminum, wind deflector sheets made of aluminum-galvanized sheet steel
Building protection mats	With aluminium lamination
Surface load	Approximately 15 - 25 kg/m² roof surface (substructure, module, additional ballast)
Product guarantee	10 years
Requirements	The load-bearing capacity of the roof and the roof insulation must be checked and guaranteed by the customer

