



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

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| 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/m ² / 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/m ² 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 |

