



## Data sheet

### Simply Better IROC® S3 for Flat Roofs

The IROC® S3 flat roof system (South Elevation) is lighter, more cost-effective, and faster to install than conventional systems. We have enhanced the existing advantages and further improved the system. The wide support surface of the module carriers and module supports ensures quicker alignment of the system. The continuous base rail is an integral part of the IROC® system, providing a secure connection of rows and requiring less ballasting than standard systems without a continuous base rail. Our IROC® S3 flat roof substructure is aerodynamic, low-ballast, and does not require roof penetration. All our components have been statically tested. Pre-assembled components further reduce installation time. Additionally, disassembly for potential roof maintenance is hassle-free. The system is compactly packed for transport, resulting in lower transport costs compared to conventional flat roof systems.

The IROC® S3 PV flat roof system is suitable for all bitumen, membrane, gravel, green, and metal 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/m <sup>2</sup> / 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 <sup>2</sup> 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

