



Data sheet

Simply Better IROC® EW3 for Flat Roofs

The IROC® EW3 (East/West Elevation) flat roof system is lighter, more cost-effective, and quicker to install than conventional systems. We have further developed the existing advantages and improved the system. The wide support surface of the module carriers and module supports ensures faster alignment of the system. The continuous base rail is an integral part of the IROC® system. This guarantees a connection of rows and requires less ballast compared to standard systems without a continuous base rail. Our IROC® EW3 flat roof substructure is aerodynamic, low in ballast, and does not penetrate the roof. All our components have been statically proven. Pre-assembled components reduce installation time. Additionally, disassembly for potential roof maintenance is easily possible. The system is packaged in a space-saving manner for transport, resulting in lower transport costs compared to conventional flat roof systems.

The IROC® EW3 flat roof PV 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
- ✓ 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® S3 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 types
Building height	Max. 35 Meter
Snow load	Standard up to 3,0 kN/m ² / more on request (e.g. for very high snow loads)
Roof pitch	Up to 10° roof pitch
Roof covering	Foil, bitumen, gravel, green and sheet metal roofs
Material	Screw connections V2A, load-bearing components made of aluminum
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

