



## Technical Data

# S:FLEX balcony system

PV mounting system for balcony railings



### Solar energy from balconies – safe and easy

A balcony power plant is the uncomplicated first step to your own solar power production. With the balcony mounting system by S:FLEX, it is particularly easy and absolutely risk-free.

The system consists of an aluminum substructure with two guide rails and a stop bar as well as two module slides with ball bearings that are screwed to the framed module. During assembly, the easy-to-handle frame of the substructure is attached to the balcony parapet without a module first. After that, the module slides effortlessly into the frame without the risk of falling.

An additional connection with the vertical bars of the balcony parapet and the linear bearing of the modules resting on the stop bar make the S:FLEX balcony system one of the most stable and safest solutions on the market.

For optimal fitting accuracy and maximum ease of installation, the substructure is tailored to the type of PV module used.

### An overview of the advantages:

- Simple and safe installation thanks to the modules being inserted into the system from above and the linear bearing of the modules on a stop bar – requirements for overhead mounting that are mandatory for some module types are met
- The suspension brackets for the balcony railings are coated with rubber and fit universally for all standard square and round handrails
- S:FLEX Lift adapters provide additional support and enable an angle of up to 8 degrees to the parapet for optimised yields and better self-cleaning of the modules
- Suitable for mounting framed modules and building heights up to 25 m
- No additional module clamping and no modifications to the module frames required
- Micro-inverters can be attached directly to the substructure
- Easy disassembly and reinstallation of the balcony power plant when moving
- Static calculations according to Eurocode and regional standards

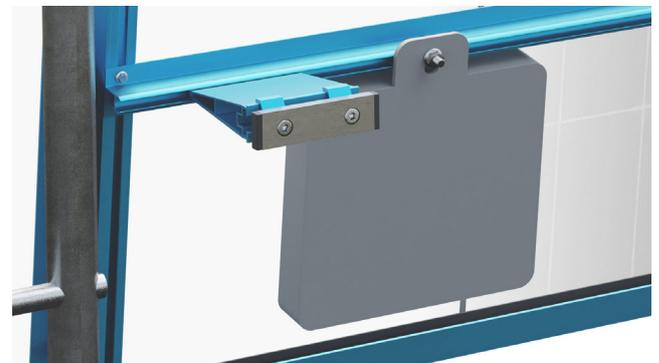
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<b>Application</b>	Metal balcony railings with vertical bars
<b>Fastening</b>	Mechanical attachment to railing and bars
<b>Module type</b>	Framed modules with up to 2 m <sup>2</sup> module surface
<b>Module pitch</b>	Up to 8° against the parapet
<b>Wind load</b>	Up to 2.4 kN/m <sup>2</sup>
<b>Building height</b>	25 m max.
<b>Material</b>	Extruded aluminium
<b>Small parts</b>	Stainless steel A2 70
<b>Colour</b>	Natural, extruded finish / anodized black
<b>Warranty</b>	10 years on durability of materials



Rear view with mounted micro-inverter and Lift adapter

