



Sunfix[®]aero

The low-ballast flat roof system

The Sunfix[®]aero flat roof system from SolarWorld is the perfect system for installing your SolarWorld solar power modules on flat roofs without the need for any penetration through the roof. The easy-to-install system with an angle of inclination of 15° or 25° is ideal for use on roofs with minimal load reserves and reduces point and distributed loads. With its aerodynamic design, the aluminum, stainless steel and galvanized steel mounting system produces an additional applied load of approx. 10 kg/m² onto the roof plus the ballast needed (depending on the location).

PRODUCT ADVANTAGES

- ▶ The aerodynamic design causes a suction effect in the system; additional bonding between module rows and gaps requires hardly any ballasting.
- ▶ Optimal rear ventilation provided by foundation and ridge gap.
- ▶ Module clamps on the long sides of modules provide increased stability.
- ▶ Angle of inclinations of 15° and 25° allow for this system, which is suitable for roofs with an inclination of up to 5° roof, to be individually adapted to various projects.
- ▶ Available as a SolarWorld Sunkit assembly system.

TECHNICAL DETAILS

- > Angle of inclination 15° / 25°
 - > Suitable for use on flat roofs with an inclination of up to 5°
 - > System weight approx. 10 kg/m² (standardized with version 25°)
 - > Static friction frame / ground $\mu = 0.60$ required
 - > Suitable for SolarWorld SW 225-245 poly/mono modules
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|-----------------------------|-----------------------------|
| Permissible wind load | $w = 0,90 \text{ kN/m}^2$ |
| Permissible snow load | $S_k = 4,76 \text{ kN/m}^2$ |
| Permissible building height | $H \leq 20 \text{ m}$ |

DESIGN

- > Galvanized steel, stainless steel or aluminum parts
- > Components based on the Sunfix plus[®] pitched roof mounting system
- > Aerodynamic design for suction effect on the flat roof
- > Ridge gap for rear ventilation of module
- > Integration into existing lightning protection system
- > Additional ballasting possible with walkway panels
- > Transport friendly and pre-assembled kit

