

Mounting systems for solar technology



K2 SYSTEMS
FLAT ROOF SYSTEMS
S-DOME SYSTEM

S-DOME SYSTEM

- Completely innovative component-reduced, low ballast unilateral elevation system for variable orientation of south-east to south-west, with the same yield performance
- Ideal for roofs with low ballast potential and with or without a parapet
- Very easy to install, because of just a few simple K2 Dome system components with optimum accessibility
- reduced assembly time
- Very attractive price-performance ratio
- Available at 10° elevation angle
- Aerodynamically optimised with wind breaker on reverse enabling minimal ballast; tested in a wind tunnel by leading structure aerodynamicists
- Option of K2 FlatRail or K2 SpeedRail as base
- K2 building protection mats, specially coated for secure and durable roof support on virtually all membrane roofs, K2 Scale or K2 Porter for simple and quick installation of ballast

Technical data



Field of application	Flat roof
Roofing	Membrane and bitumen roof
PV modules	Module attachment by corner clamping, observing module manufacturer recommendations
Module orientation	Horizontal
System orientation	South-east to south-west
Material	Aluminium (EN AW-6063 T66)
Connecting elements	Stainless steel screw A2-70
Weight/m ² module surface	without module, without ballast approx. ca. 4 kg
Roof connection	Laying with potential ballasting, no roof penetration
Static principles	Calculation principles in accordance with Eurocode 9 - dimensioning and construction of aluminium structures using wind tunnel tests
Load assumption in accordance with	DIN EN 1991 (Eurocode 1)
System components	K2 SpeedRail or FlatRail, K2 S-Dome, K2 Dome SD, End and Middle Clamp Sets, M K2, K2 Scale, Windbreaker, K2 Porter, K2 Solar building protection mat, K2 Allen bolt



Explosion drawing



Kaiserslautern, Germany
Installation: 2,8 MW | S-Dome System



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Produktblatt S-Dome System | GB5 | 0613 | Subject to change
Product illustrations are exemplary illustrations and may differ from the original.

