

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 <sup>2</sup> 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



Exploded drawing



Kaiserslautern, Germany

Installation: 2,8 MW | S-Dome System



Kaiserslautern, Germany

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#### SERVICE-HOTLINE

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

