Mounting systems for solar technology
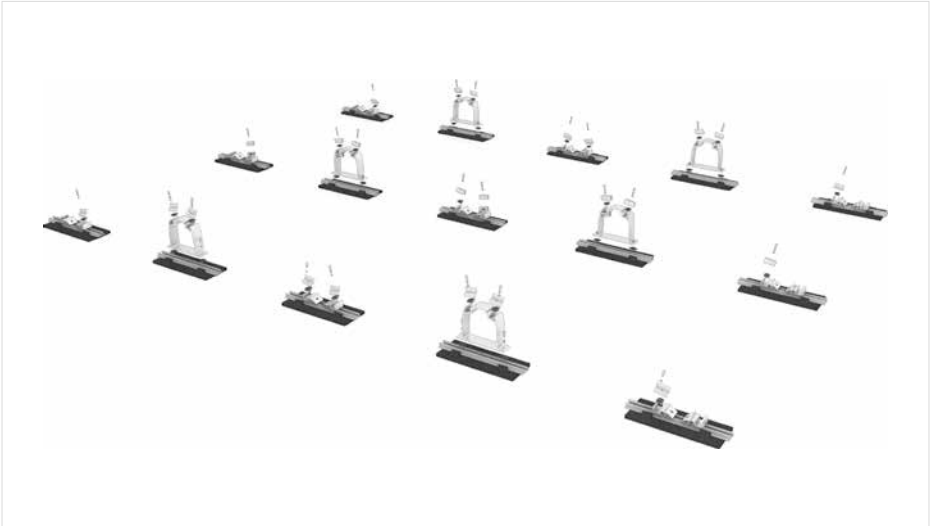

K2 SYSTEMS
FLAT ROOF SYSTEMS
D-DOME 2.0 SYSTEM

D-DOME 2.0 SYSTEM

¬ Ideal for roofs with low ballast potential and with or without a parapet

¬ Very attractive price-performance ratio and logistic advantages thanks to short rail
   sections and sleek Dome design.

¬ Quick mounting due to reduced number of components and assembly only from
   above

¬ 10° elevation angle

¬ No shading issues therefore optimal roof coverage possible

¬ Aerodynamically tested in a wind tunnel by leading structure aerodynamicists

¬ Static proven solution using the K2 Base Planning Software

¬ Optionally with equipotential bonding

Technical data	
Field of application	Flat roof to 5°
Roofing	Membrane and Bitumen roof, gravel and green roofs
PV modules	Module fastening with corner clamping or alternatively mid clamping observing module manufacturer recommendations
Module orientation	Horizontal
System orientation	Flexible double-sided with any orientation possible
Material	Aluminium (EN AW-6063 T66)
Connecting elements	Stainless steel A2-70
Weight/m² module surface	Without module, without ballast approx. 2.4 kg
Roof connection	Overlay with potential ballast; 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	Eurocode 1 / DIN EN 1991
System components	K2 SpeedRail, K2 D-Dome 1000 2.0, K2 SD Double, MK2, Endclamp Set, XS Middleclamp Set, K2 (Short) Porter, building protection mat and bolt with serrated under head

12
year product warranty
year product warranty

Detail illustration D-Dome 2.0 System

Additional ballast using K2 Short Porter on the sides or
K2 Porter in the centre