

Statics certificate

The
KBMS Consult GmbH

Engineering Office for Fire Protection - Mounting Systems - Solar Energy
Appraiser for PV systems (TÜV®)

Certifies the enterprise

Mounting systems for solar technology

K2 Systems GmbH

Industriestraße 18, 71272 Renningen



your system S-Dome small was statically examined and was proved.

The static calculations for S-Dome small (elevation with 10 ° inclination on flat roofs) include evidence -in compliance with the allowable stresses and deflections- for the entire aluminium trapezoidal sheet mounting system to accommodate the solar modules

The on-site roof and support structure is object-related check for appropriate qualifications.

The exact values and load approaches can be taken from the individual calculations of the building authorities audited by a publicly appointed test engineer static reference. The evidence apply to the construction according to the current planning guidelines in the horizontal arrangement of the modules.

The evidence of the mounting system to accommodate the solar modules were created with the following conditions:

- Standards: DIN EN 1991-1-3; DIN EN 1991-1-4; DIN EN 1990.
- Angle of inclination: Roof pitch 0-15°; Mounting system 10°
- Distance of the module supports: Dependent on module size; max. module size 2m²
- Roof ranges : F, G, H, I
- Wind load: $q \leq 1,0 \text{ kN/m}^2$
- Snow load $s_k \leq 2,5 \text{ kN/m}^2$

The specified load values for wind and snow loads are valid for all components, except for the mounting screws on sheet metal. This must be examined on an individual basis depending on the sheet type and sheet thickness.

Hessisch Lichtenau in April 2015

KBMS Consult GmbH

Unternehmensbereich

Montagesysteme

(Dr.-Ing. Thorsten Kühn)