

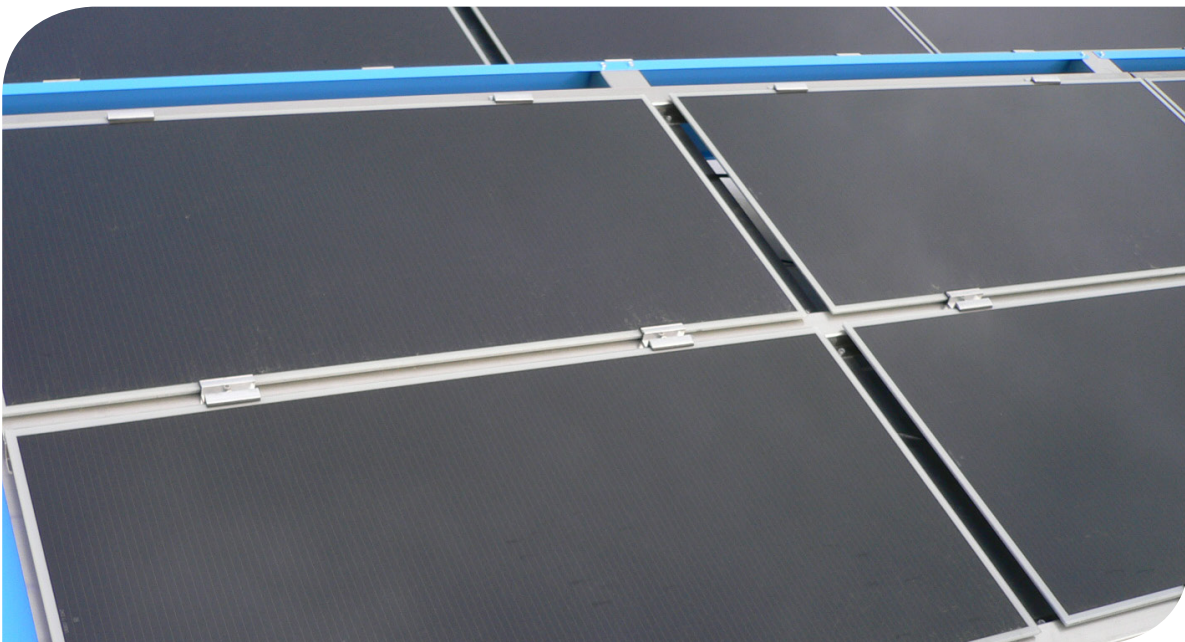
## solarSTEP light<sup>®</sup> LS

Leading aerodynamic mounting system for photovoltaic modules on flat roofs

solarSTEP light<sup>®</sup> is the modular mounting system for photovoltaic systems on flat roofs for frameless modules.

No necessity for roof permeations or for additional weights\*.

\* wind zone 1 up to 18 m building height / wind zone 2 up to 10 m building height



## Economic value

- easy, fast and simple installation and disassembly at all times
- no roof permeations; clear separation of the crafts “roofing/sealing” and “mounting of the photovoltaic-system”
- very good ventilation of the photovoltaic system; guaranties maximum earnings
- simple maintenance

## Quality

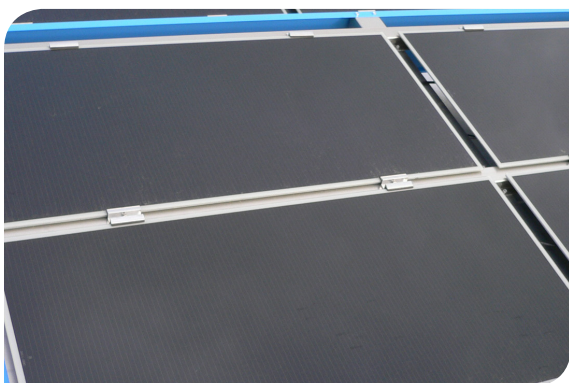
- all parts made out of the following non-corrosive materials: aluminium, inox, zinc-coated weather-proof spoilers (optional with colour-coating)
- extended life-cycle due to very high resistance against corrosion
- static compliance with all regulations of DIN 1055-4
- certified by TÜV Rheinland

## Technical highlights

- minimal additional weight of the solarSTEP photovoltaic system of approximately 12 kg/m<sup>2</sup> roof area
- efficient and easy assembly with few components and parts
- proven conformity of the integrated solarSTEP separating layer with all leading flat roof membranes; industry certificates available
- professional solarSTEP cable attachment system
- optional solarSTEP lightning protection concept for low-cost integration into the lightning protection for the building
- free water-flow over the entire flat roof according to the regulations of DIN 1986-100

## Service

- complete in-house technical planning and execution by the solarSTEP group
- workshops for solarSTEP light-CAD-planners (including solarSTEP library for AutoCAD)
- training for project managers and staff as certified solarSTEP light system builder



## Standard parameters

- roof pitch: up to 5 degrees
- roof parapet: at least 25 cm in all directions (exceptions with project evaluation possible)
- roof types: all types of flat roofs with little free loads (e.g. roofs with membranes or with bituminous sealing, green covering for roofs, roof gardens, roofs with ballast chipping)
- distance to the roof edge: at least 2,0 m from the edge of the module to the outside edge of the roof
- wind zones: I and II (wind zones III and IV possible with project evaluation)
- building height: max. 18 m (in most cases heights up to 40 m possible along with project evaluation)

### solarSTEP light® LS technical data

<b>system type</b>	aerodynamic system without roof perforations	
<b>additional load</b>	appr. 12 kg per m <sup>2</sup> roof area	
<b>module types</b>	frameless modules	
<b>module alignment</b>	horizontal	
<b>module measurements</b> (other sizes possible on request)	<b>width</b>	<b>height</b>
	<b>1200 - 1245 mm</b>	<b>600 - 635 mm</b>
<b>System variants</b>	System variants	<b>2 and 4 module-version</b> Modules horizontally stacked
	module inclination (2 and 4-module-version)	8,5°
<b>module inclination</b>	<b>1611 mm</b>	<b>665 mm</b>
	System variants	<b>3-module-version</b> Modules horizontally stacked
	module inclination (3-module-version)	9,5°
<b>materials</b>	aluminium, inox, zinc coated steel (colour coating optional)	

### static certification

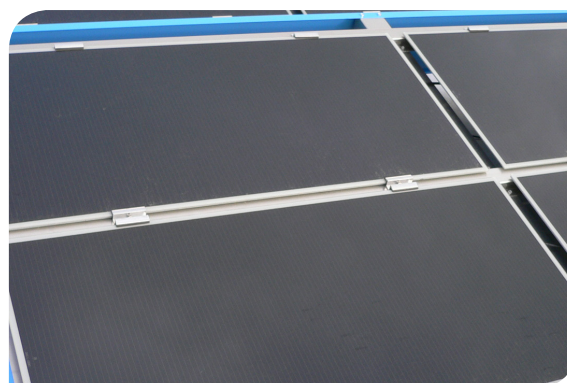
static certification by an official inspection engineer of the Chamber of Engineers (Baden-Württemberg).

### TÜV-certification

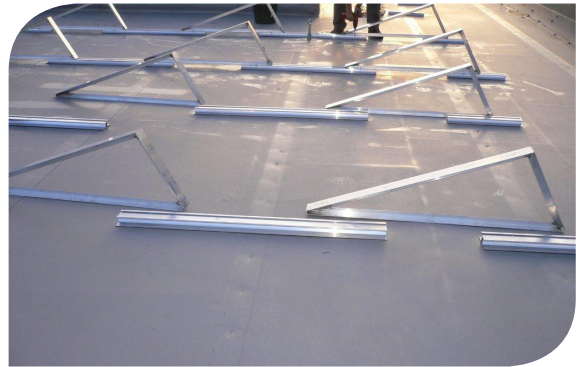
solarSTEP light GM is certified by TÜV Rheinland.



- Qualified PV Mounting System
- Periodic inspection







[www.solarstep.eu](http://www.solarstep.eu)

