



Solarstell Connect

for PV systems on flat roofs

quick - easy - good

When you are mounting high-quality solar panels, you should be able to rely on high-quality fastening materials. Solarstell Connect not only excels in its solid structure, but it also offers the fastest mounting time on the market. We supply nearly all components in assembled form, so you need only use one basic component on the roof. Fold out, click into place and there you are.

MINIMUM BALLAST, MAXIMUM FLEXIBILITY

Solarstell Connect is suited to all set-ups and all regular PV modules at a 13° angle. Its unique structure reduces ballast and roof load as well. The rear plates also provide additional solidity and maximum wind deflection.

WHY SOLARSTELL CONNECT?

- Ready-to-use basic component
- Cable management included
- Click system rather than screws
- Recyclable and UV-resistant supports
- All set-ups, any surface
- Minimum of packaging material
- Maximum of 5 different items
- 20-year guarantee

SMART CABLE MANAGEMENT

The smart cable conductors in the stand and the profile will allow you to conceal all cables swiftly and safely.

OPTIMISER? SIMPLY CLICK INTO PLACE

Are your panels using optimisers? You can easily click them into the base. There will be no more need for nuts and bolts!



HANDY CALCULATOR

Would you like to calculate the ballast or determine the point-concentrated load? The [Solarstell Calculator](#) will provide you with a ballast plan, a product list including prices and a schematic overview with a few mouse clicks.

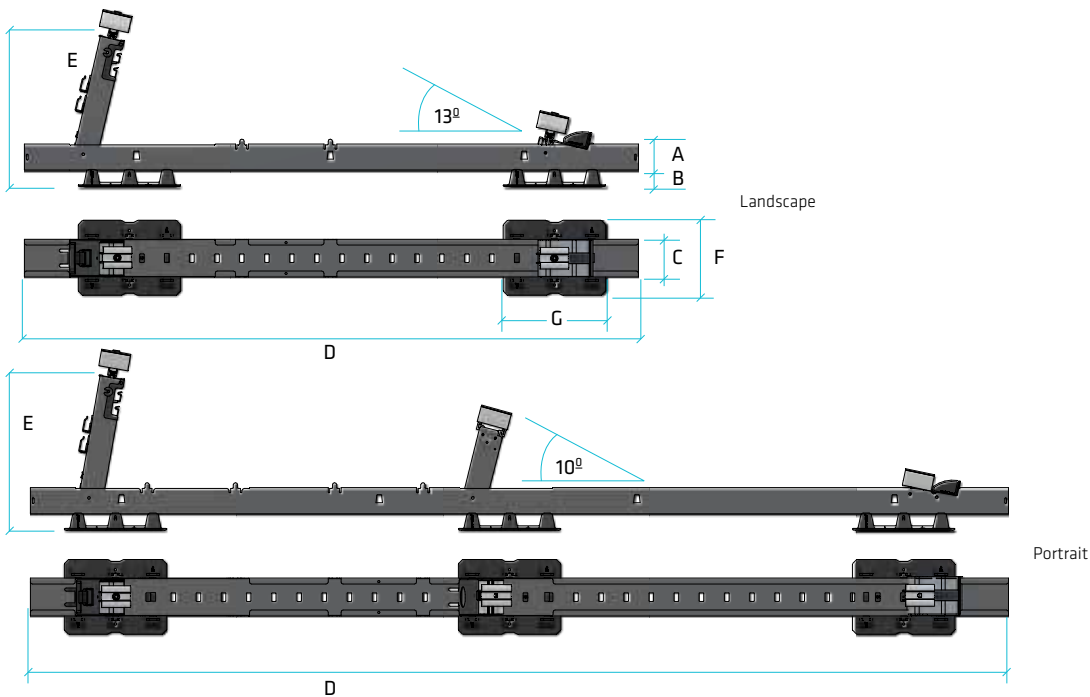
LEARN MORE OR PLACE AN ORDER?

Call us on +31 (0)38 455 41 60 or send an email to info@solarstell.nl

PRODUCT INFORMATION

Orientation	Landscape, East-West, portrait
Set-up angle	Landscape 13°, portrait 10°
Maximum roof slope	4°
Materials	Magnelis steel/stainless steel/aluminium
Roof type	Flat roofs with concrete, bitumen, PVC* or gravel**
Solar panels	All regular PV modules
Guarantee	20 years on materials (when mounted according to manual)

* The base is made of ASA plastic, so it does not contain plasticisers and is UV-resistant.
 ** Our raising blocks (50 mm, article No 500810) avoid having to remove scattered gravel.



Maten	
A	50 mm
B	32 mm
C	70 mm
D	1,145 landscape 1,826 portrait
E	305 mm
F	13 mm* landscape 10 mm* portrait
G	140 mm
H	190 mm

Minimum/maximum panel sizes (in mm)			
Cells	Length	Breadth	Width
60 landscape	1,600-1,750	945-1,080	29-48
72 landscape	1,987-2,080	945-1,080	29-48
60 portrait	1,620-1,850*	938-1,031	29-48

* Beyond 1,620 mm, the panel will no longer be supported at the bottom.
 Verify whether such is allowed in the manual.

Loads	Point-concentrated load	kg/m ² *	kg/m ²
Landscape	13 kPa	9.5	21
East-West	12 kPa	10.4	18
Portrait	14 kPa	10.7	24

* In case of 18-kg panels

** Wind zone 1 height 6 m, bitumen

BALLAST

The system must be weighted in accordance with NEN 1991-1-4. Possibilities include stones or gravel in the ballast box, or stones on the ballast profiles.

FREE EDGE REGION

Strong wind turbulence may occur alongside the façade. The region around the edge of the roof should therefore be free of solar panels. This region should cover 1/6th of the roof height or a minimum of 75 cm. For roofs over 12 metres, please consult your supplier. (NEN 7250)

EQUALISATION

The Magnelis steel and the aluminium take care of equalisation. They prevent tension from building up in the material and failures from occurring in the inverters or micro-inverters. (NEN 1010)

APPLICABLE STANDARDS

NEN-EN 1990	Eurocode: Basis of structural design
NEN-EN 1991-1-3	Actions on structures – Snow loads
NEN-EN 1991-1-4	Actions on structures – Wind loads
NEN 7250	Solar energy systems – Integration in roofs and façades
NEN-EN 1999-1-4	Design and calculation of aluminium structures
NEN-EN 1997	Geotechnical design