

## Sigma I XL<sup>ST</sup>

### Significant savings

The next step of the Sigma I XL<sup>ST</sup> evolution cleverly combines the advantages of a single post system with the cost savings of galvanized steel beams. The steel profiles can be coated according in the requirements of the specific corrosion class. Coupled with extensive component pre-assembly and the use of the Clickstone technology, Sigma I XL<sup>ST</sup> offers considerable cost savings, especially for large-scale plants. Multiple array configurations ensure an optimized and cost-efficient solution for project specific requirements.

### Maximum life span

A fundamental feature of the Sigma I XL<sup>ST</sup> is its longevity. The special coating provides effective, self-healing and long-term protection. The higher corrosion resistance is guaranteed, providing a maximum life span for the system.

### Excellent adaptability

As a single post system, the Sigma I XL<sup>ST</sup> is perfectly suited for uneven terrain. Depending on the project soil requirements, various footing options are available: driven piles, earth screws, cast in concrete, or foot plates. Due to the adjustable connection between rafter and module rail a slope of up to  $\pm 10^\circ$  in East-West direction is possible. Ramming tolerances and uneven terrain can be compensated vertically and in North-South direction.

### Ecologically Friendly

The system is developed and produced under certified sustainability standards. In addition, the components are recyclable and easily disassembled.



Ground Mount



Framed module



Frameless module





Orientation portrait



Orientation landscape

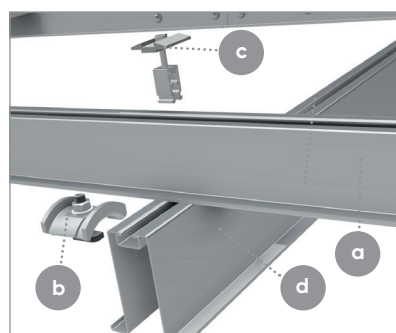


Application	Ground mount
PV modules	Framed, frameless, bifacial
Module layout	Multiple configurations, max. table length 40 m
Module orientation	Portrait, landscape
Module inclination	According to project requirements
Ground clearance	Various
Ground slope	up to 10° East/West (Option 1)
Sigma post spacing	According to static calculation
Standards	Eurocode 1 – Actions on structures Eurocode 3 – Measurement and construction for steel construction
Supporting profiles	Steel (S 355/ S 350 GD)
Ramming posts	C-post (IPE post)
Small parts	Geomet-coated steel, hot-dip galvanized steel, Stainless steel (project specific V2A / V4A), Extruded aluminium (EN AW 6063 T66)
Bonding	Low-impedance resistance connections between the components
Warranty	10 years <sup>1</sup>

Configuration	Modules	Foundation	Module fastening
Sigma I XL <sup>ST</sup> 2 portrait	Framed, frameless and bifacial modules	Suitable for all types	clamps, screws, rivets 
Sigma I XL <sup>ST</sup> 3 – 4 landscape			clamps, screws 

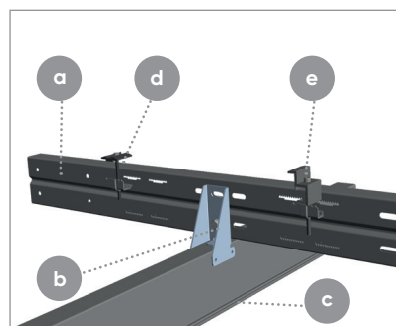


Upper adapter rafter



Sigma I XL<sup>ST</sup> – Option 1

- a Module support
- b Module support clamp
- c Module clamp with Clickstone
- d Rafter



Sigma I XL<sup>ST</sup> – Option 2

- a Module support
- b Cross rail
- c Rafter
- d Module clamp
- e Module end clamp