



Sigma I XS

Extensive flexibility

The Sigma I was designed as a ground mount system for the use of unframed and framed modules.

Outstanding adaptability

The unique terrain adaptability of the Sigma I system is provided by the combination of its base rails and X-Stones. These technologies make it possible for the Sigma I system to follow terrain height variations along the span of the system, thereby eliminating the need for expensive or site excavation. Furthermore, an East-West inclination up to 20° is possible.

Quick Installation

Sigma I XS is characterized by a high degree of pre-assembly. With the preassembled diagonal strut and module rail connection the whole system can be installed only with only two bolted connections per post.

Significant savings

Due to its simple, functional design and the minimal number of tools needed for installation Sigma I is a standout. Together, these features generate considerable savings in installation costs and material use, especially for larger projects.

Long service life

Two essential hallmarks of the Sigma I XS are its long service life and minimal maintenance requirements. The all-aluminum and stainless steel construction of the support components assures corrosion resistance and maximum durability.

Ecologically responsible

Due to the ground clearance of the modules and the lack of concrete foundations, Sigma I avoids damaging the terrain. In addition, the system is completely recyclable and allows the land to be easily reclaimed.



Open terrain



Unframed module



Framed module



Orientation portrait

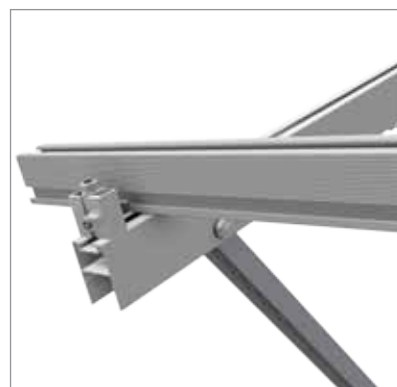


Application	Ground mount
PV modules	Framed, unframed
Module layout	Bis ca. 20 m je Gestelleinheit, Endlosreihe als Durchlaufsystem möglich
Module orientation	Portrait
Module inclination	20°, 25°, and 30° ¹
Ground clearance	80 cm ¹
Sigma post spacing	Dependent on laminate or module type and site conditions
Standards	Eurocode 1 – Actions on structures Eurocode 9 – Design of aluminium structures
Supporting profiles	Extruded aluminium (EN AW 6063 T66) Cap profile post: Galvanised steel
Small parts	Stainless steel (V2A)
Colour	Aluminium: plate finish
Warranty	10 years ²

Configuration	Modules	Foundation	Clamping
Sigma II 2 portrait	Framed and unframed modules	Suitable for all types	Clickstone- system



Detail view component structures



Detail view connection module rack and rafter

¹ Other on demand.

² Please find the exact terms in the Mounting Systems GmbH warranty document.