



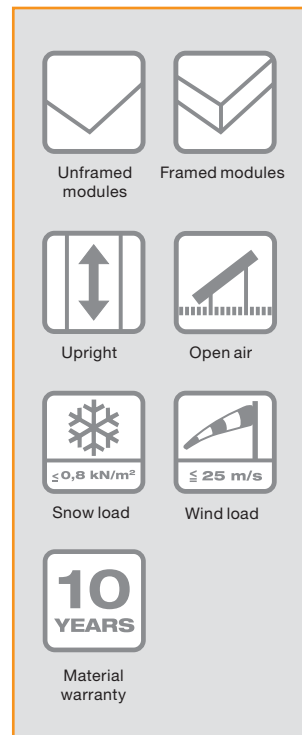
CONERGY

Mounting Systems for Photovoltaics | Technical Data

Conergy SolarLinea

The Conergy SolarLinea was engineered as a photovoltaic mounting system for use in open areas. This Conergy mounting system was developed as a load-bearing system especially for laminates, but can also be used readily for

framed modules. Thanks to its aluminium and galvanised steel frame, SolarLinea requires a minimum of maintenance throughout the useful life of the system.



Extensive module compatibility

Nearly all laminates and all framed module types from various manufacturers can be used. Laminate modules are mounted to the horizontal base rails using clamps certified by the module manufacturer. Framed modules are mounted in a similar fashion using SunTop III module clamps.

Outstanding adjustability

The outstanding adjustability of the SolarLinea system is provided by the combination of Conergy base rails and Quickstone-based X-Stones. These technologies make it easy to compensate for terrain height variations along the span of the rack and can accommodate gradients of $\pm 10^\circ$. [The preassembled mounting adaptor permits module inclination angles of 25 or 30°.]

Maximum service life

Two of the essential characteristics for photovoltaic mounting systems are longevity and very minimal maintenance requirements. The all-aluminium and stainless steel design guarantees corrosion resistance and maximum useful life.

Aluminium-steel Galvanic corrosion is prevented by an isolation layer.

Significant cost savings

Due to its high degree of pre-assembly, the Solar Linea minimizes installation time and costs. In addition to preassembled cross members and mounting adaptors, Conergy's unique SunTop technologies further speed installation.

Minimal tool usage

The only mounting tools required are a hex-socket wrench and two different open-end wrenches. Detailed assembly instructions are available to ensure troublefree installation.



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Detailed view of the pre-assembled adaptor



Detailed view with unframed modules

PHOTOVOLTAICS

Application	Open area, ground mount
Wind load	max. 25m/s ¹
Snow load	max. 0.8 kN/m ² ¹
Module Types	Framed and unframed
Module layout	In series, up to approx. 10 m per frame unit
Module orientation	Portrait
Module Inclination	Standard 25° and 30° ²
Ground clearance	70 cm, from lower edge of module ²
Sigma Post spacing	Dependent on laminate or module type and local conditions (max. 2 m centre distance)
Standards	EUROCODE 9 - Design of aluminium structures part 1.1 and local building codes
Material	Frame section of extruded aluminium EN AW 6060/6063 Sigma post: galvanised steel Hardware: Stainless steel (V2A)
Colour	Cold pressed aluminium
Warranty	10 years durability on materials

¹ Actual load calculations must always be performed for each site. For detailed information, please contact Conergy prior to design planning.

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Available from:

SolarLinea-TD-ENG-0704