



CONERGY

Mounting Systems for Photovoltaics | Technical Data

## Conergy SolarLinea

The Conergy SolarLinea was engineered as a photovoltaic frame for use on exposed surfaces. This Conergy mounting system was developed as a load-bearing system specially for laminates, but can also be used easily for framed

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



Unframed modules	Framed modules
Upright	Open air
$\leq 0,8 \text{ kN/m}^2$	$\leq 25 \text{ m/s}$
Snow load	Wind load
Material warranty	

### High module compatibility

Nearly all laminates and all framed module types of various manufacturers can be used. The laminate is mounted to the horizontal base rails using clamps certified by the module manufacturer. Modules are mounted in a similar fashion using SunTop III module holders or module end clamps.

### Outstanding adaptability

The high flexibility afforded by the Conergy base rails and X-Stones makes it possible to level off surface unevenness along the rack up to an inclination of  $\pm 10^\circ$ , thereby allowing easy laying of modules parallel to the ground.

### Maximum service life

Two of the essential characteristics for photovoltaic mounting systems are longevity and very low maintenance requirements. The all-aluminium and stainless steel design guarantees corrosion resistance and maximum useful life. Aluminium-steel contact corrosion is prevented by a separation layer.

### Significant cost savings

The MP excels by its high degree of pre-assembly. The preassembled cross members and the flexible SunTop technology allow fast installation. The preassembled adaptor permits module inclination angles of 25 and 30°.

### Minimal tool usage

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



PHOTOVOLTAICS



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Detailed view of the pre-assembled adaptor



Detailed view with unframed modules

PHOTOVOLTAICS

<b>Place of use</b>	Floor
<b>Wind load</b>	max. 25m/s <sup>1</sup>
<b>Snow load</b>	max. 0.8 kN/m <sup>2</sup> <sup>1</sup>
<b>Laminates/modules</b>	Framed and unframed
<b>Module layout</b>	In series, up to approx. 10 m per frame unit
<b>Module orientation</b>	Upright
<b>Setting angle</b>	Standard 25° and 30° <sup>2</sup>
<b>Distance from lower edge of the module to ground</b>	70 cm <sup>2</sup>
<b>Distance between ram post</b>	Depending on laminate or module type and local conditions (max. 2 m centre distance)
<b>Standards</b>	EUROCODE 9 - Design of aluminium structures part 1.1 and local building codes
<b>Material</b>	Frame section of extruded aluminium EN AW 6060/6063 Sigma post made of galvanised steel Stainless steel hardware (V2A)
<b>Colour</b>	Cold pressed aluminium
<b>Warranty</b>	10 years durability on materials

<sup>1</sup> However, the statics must always be tested on-site. For detailed information, please contact us before you commence planning

<sup>2</sup> For detailed information, please contact us before you commence planning

Available from:



Philadelphia  
Solar

SolarLinea-TD-ENG-0704