



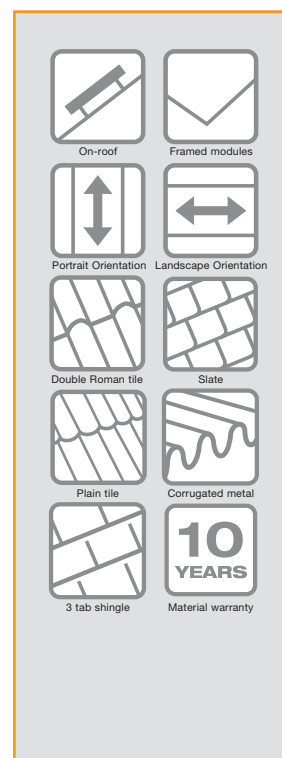
CONERGY

Photovoltaic mounting systems | Technical data

## Conergy SunTop III

The Conergy SunTop III is a revolutionary system for PV modules on pitched roofs. Conergy has brought over 10 years of field experience and German engineering to form

our unique, patented aluminum base rails, Quickstone and Telescope technology to enable faster installations.



**Elegant Simplicity.** With the Quickstone and Telescope technology, the Conergy SunTop III offers both an elegant yet simple installation solution which can be mounted easily on any pitched roof with almost every kind of roof material. The only installation tool you'll ever need is a simple allen hex key.

**Significant Savings.** The Conergy SunTop III system's unique engineering and high level of pre-assembly will reduce your installation time significantly, as much as 40 % in some cases. Additionally, with only a few rail lengths and the adjustable telescoping end piece, the Conergy SunTopIII reduces inventory costs and hassles as well.

**Adjustable rail length.** The Telescope technology allows the system to be installed with precise accuracy, without trimming or cutting the rail to size.

**Extensive module compatibility.** Almost every type of framed module available can be used with the Conergy SunTop III system.

**Excellent adaptability.** The height adjustment of the base rails from Conergy allows a level PV array to be established, no matter how uneven the roof.

**Engineered to high standards.** The Conergy SunTop III system design guidelines enable code-compliant installation in all wind and snow zones. The Conergy SunTop III's planning aid removes the need for detailed, manual calculations; simply choose your appropriate load parameters and the planning aid will provide you with complete instructions on a code-compliant installation.

**Guaranteed durability.** All components are made of extruded aluminum and stainless steel. The high corrosion resistance ensures a long lifespan. Conergy provides a guarantee of 10 years on the durability of all components.

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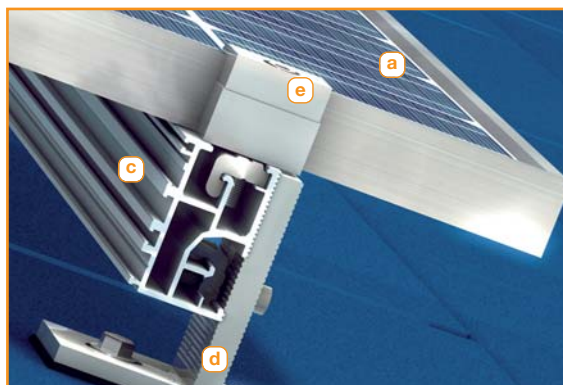
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# Conergy SunTop III



Splice technology



Quickstone technology

### Overview:

- (a)** Framed PV module
- (b)** Module clamps
- (c)** Conergy base rails
- (d)** L-Foot
- (e)** Module end clamps
- (f)** Telescope
- (g)** Splice



Telescope technology

### Technical data Conergy SunTop III

<b>Installation site</b>	Pitched roof
<b>Roof material</b>	Suitable for most types of roof surfaces (further information available on request)
<b>Roof slope</b>	Up to 60 ° <sup>1</sup>
<b>Building height</b>	Up to 65 ft (20 m)
<b>Wind load (Max)</b>	Suitable for cyclonic regions <sup>5</sup>
<b>PV modules</b>	Framed
<b>Module arrangement</b>	In rows or columns <sup>2</sup>
<b>Module orientation</b>	Vertical or horizontal
<b>Size of the module array</b>	As desired <sup>3</sup>
<b>Position of the module array</b>	As desired
<b>Possible height compensation</b>	Up to 1-1/2" (38 mm) standard, 2-1/2" (63 mm) with optional elongation plate
<b>Roof hook separation</b>	Up to 8 ft (2.5 m) <sup>4</sup> , depending on site, building height, fastening system and modules used
<b>Standards</b>	Conforms to local building codes

<b>Support rail</b>	Extruded aluminum
<b>Roof hooks, small parts</b>	Stainless steel and extruded aluminum
<b>Color</b>	Natural
<b>Warranty</b>	10 years durability on materials

<sup>1</sup> Valid for three tab shingles and roof tiles. With metal roofing or similar large surface area cladding, and roof slopes greater than 60°, please contact us in the early stages of your planning.

<sup>2</sup> According to the orientation of the base rails.

<sup>3</sup> Because of the stresses in the rail string caused by temperature expansion, we recommend a maximum length of 10 m per module array.

<sup>4</sup> Please be aware of the higher levels of wind loads when installing on the corners and edges of a roof. We recommend the use of extra attachment points in these areas. For detailed information, please contact us in the early stages of your planning.

<sup>5</sup> For cyclonic regions, extra attachment points will be required. For detailed information, please contact us in the early stages of your planning.

Available from:

SUNTOP-TD-AUS-0608

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