

Conergy SunTop IV

The total pitched-roof solar mounting solution



Unparalleled simplicity for dramatic labor-savings and increased usability

- | **Universal Quickstone—“The Intelligent Nut”**—Globally-patented design enables quick, hassle-free installation with a 6 mm Allen wrench being the only tool needed.
- | **Common components for all rail types**—Lower total parts count reduces the learning curve and simplifies inventory management.
- | **Pre-assembled Components**—Speed installation and reduce the number of loose parts on the roof.
- | **Telescopic End Rails**—Simplify installation, reduce waste and scrap and improve safety by eliminating the need to cut rails at the jobsite.

Leads the industry in design versatility and capability

- | **Design Flexibility**—Availability of four rail profiles means designs can be optimized as needed – from maximizing spans while minimizing roof penetrations to decreasing material costs.
- | **Roof Attachments and Tilt Units**—Multiple types of roof attachments are specifically designed to ease installation on all common roof types. Tilt units accommodate pitched module installations on flat roofs.
- | **Structural Strength**—All components are engineered to provide strength and value. Splices and telescopes maintain full structural strength across the rail segments. While four rail sizes enable optimized strength-to-cost ratio for any application.

Improved planning and management capabilities

- | **Comprehensive Quick Configurator Software**—Fully code-compliant and customized system design tool enables design optimization for strength, cost, roof penetrations and other key criteria. Layout drawings, calculation assumptions and results, and professional engineer certification reports are easily generated for any given design.

The Conergy SunTop IV Total Solution. By easing every step of the quoting, planning and installation processes, the Conergy SunTop IV system comprehensively delivers value across business operations. Flexibility and simplicity is brought to design, permitting, job planning and construction. This, combined with high quality components, German engineering and local production is why SunTop IV is the total solution.

Conergy has been producing solar mounting structures since 1993. With its more than 1 Gigawatt of solar power installations for thousands of customers in 27 countries, Conergy's products are field-proven. In fact, SunTop is the most installed sloped-roof mounting system in the world.



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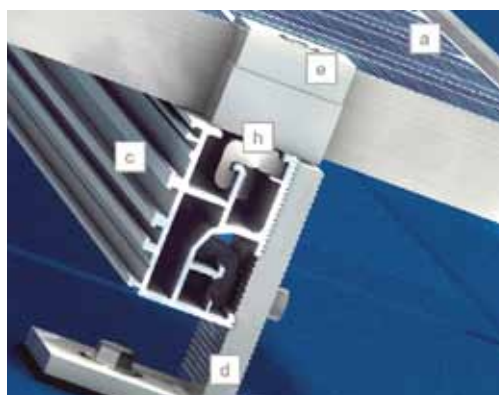
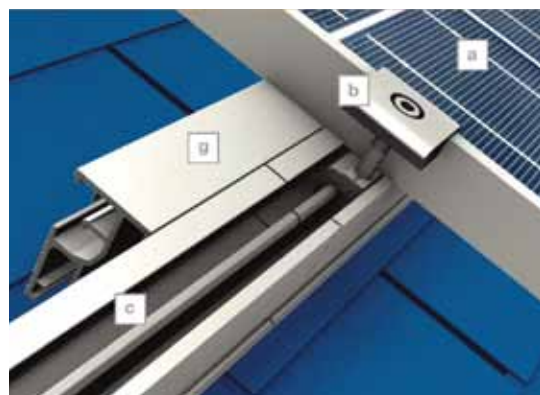
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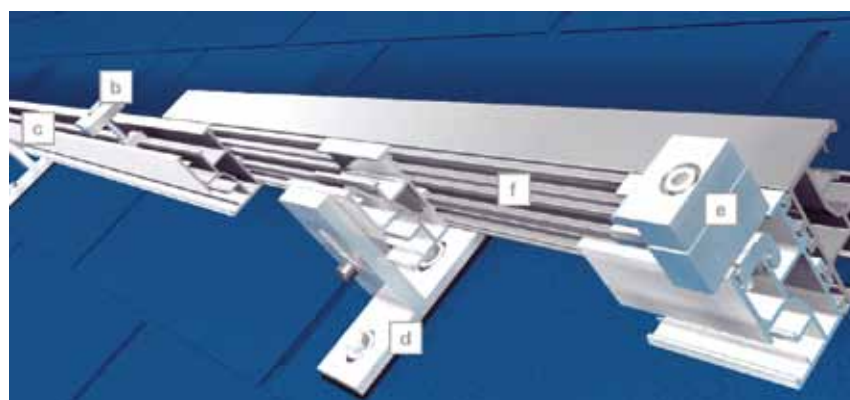


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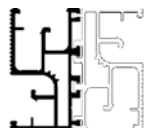
Conergy SunTop



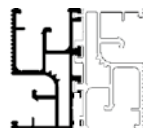
- a Framed PV module
- b Inter-module clamp
- c Conergy rail
- d T-Foot
- e Module end clamp
- f Telescope
- g Splice
- h Quickstone
- i Tilt unit



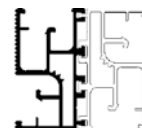
Conergy SunTop IV
Rail 7/49



Conergy SunTop IV
Rail 13/58



Conergy SunTop IV
Rail 19/63



Conergy SunTop IV
Rail 25/65

Technical specifications	
Pitched roof	
Roof cladding	Suitable for most types of roof cladding (further information available as requested)
Roof slope	Up to 60°
Building height	Up to 65 ft. / 20m
Snow load	Up to 230psf / 11.0 kN/m ²
PV modules	Framed or unframed
Module arrangement	In rows or columns
Module orientation	Landscape or portrait
Size of the module array	As desired
Position of the module array	As desired
Attachment spacing	Up to 98 in / 2500mm, depending on site environmental parameters, rail type selected, and roof characteristics

Technical specifications (continued)	
Tilt units	
Application	Flat roof, ground
Tilt angle	10-20° or 20-30°; field adjustable within range
Module orientation	Portrait
Wind load	90 or 120mph
Snow load	Up to 230 psf / 11.0 kN/m ²
Module capacity	1, 2 or 4 modules in any combination
Maximum module size	65.2 in x 39.5 in / 1654mm x 1004mm
Common elements	
Standards	Conforms to all North American building codes. If desired, static load calculations can be provided.
Support rail	Extruded Aluminum (ENAW 6060/6063)
Roof hooks, small parts	Stainless steel
Color	Natural, optional black anodized clamps, rails
Warranty	10 years durability on materials