

SunMaxx™

Evacuated Tube U-Pipe Solar Collectors



SunMaxx evacuated U-pipe solar collectors represent a new standard in solar energy technology. Combining cutting-edge performance and efficiency with highly competitive pricing, SunMaxx is the leader in offering renewable energy solutions to home and business owners.

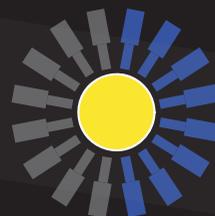
Through numerous design innovations, SunMaxx ensures that each customer receives the best solar thermal product possible. Because of their unique design, SunMaxx U-pipe collectors are able to provide unsurpassed heat generation per collector area and have the ability to be mounted completely vertically or horizontally - allowing them to be installed on the sides of buildings.

There are two models of u-tube solar collectors; the SunMaxx-20U (20 tubes) and the SunMaxx 30U (30 tubes). These configurations allow SunMaxx solar collectors to be sized for any solar heating application, including residential, commercial, municipal, agricultural and industrial systems.

SunMaxx solar collectors are independently tested and certified by the world's leading solar energy authorities to ensure that each product is a global leader in reliability, heat output, and return on investment.

Features:

- Ultra-high performing evacuated tube u-pipe solar collector
- Solar Keymark certified.
- SRCC certification expected 2009.
- 10 year warranty available
- Unique design can be installed at any angle
- Multiple mounting and installation options available



Technical Specifications & Features

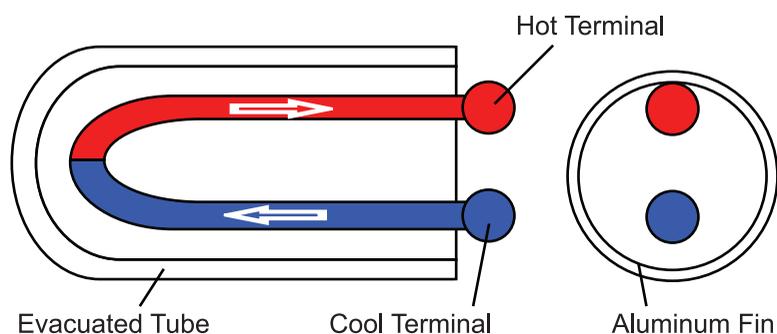
Series Specifications

Tube Length	59"
Outer Tube Diameter	1.85"
Tube Thickness	0.1"
Tube Material	Borosilicate Glass
Tube Coating	Al - N/Al
Thermal Expansion	$3.3 \times 10^{-6} \text{ }^\circ\text{C}$
Absorption Efficiency	> 94% AM 1.5
Typical Efficiency	> 70%
Emittance	< 7% (80 °C)
Vacuum	$P < 5 \times 10^{-3} \text{ Pa}$
Heat Loss	< 0.7 W/m ² C
Maximum Strength	1.0 MPa
Stagnation Temperature	> 392 °F
Flow Rate	3 - 4 G/min
Fittings	1/2" NPT
Warranty	10 Years
Warranty (if not installed by a SunMaxx certified installer)	3 Years
Expected Lifetime	25 - 30 Years
Manufacturer	Silicon Solar Inc

Collector Specifications

Model	SuMaxx-20U	SunMaxx-30U
# of Tubes	20	30
Dimensions (inches)	66 x 64	68 x 79
Weight (lbs)	115	170
Net Aperture Area (ft ²)	18.4	33.2
Net Absorber Area (ft ²)	11.5	17.2
Volume (G)	0.7	1.1

How U-Pipes Work



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