

SunMaxx™

Flat Plate Solar Collectors



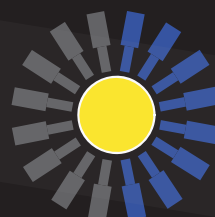
SunMaxx flat plate solar collectors represent a new standard in solar energy technology. Combining cutting-edge performance and efficiency with highly competitive pricing, SunMaxx is the leader in offering renewable energy solutions to home and business owners.

Through numerous design innovations, SunMaxx ensures that each customer receives the best solar thermal product possible. SunMaxx flat plate collectors are an industry leader in efficiency, durability, and heat output, thanks to the perfected engineering and design process. The versatility of the collectors makes them suitable for all types of solar heating applications, including residential, commercial, 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:

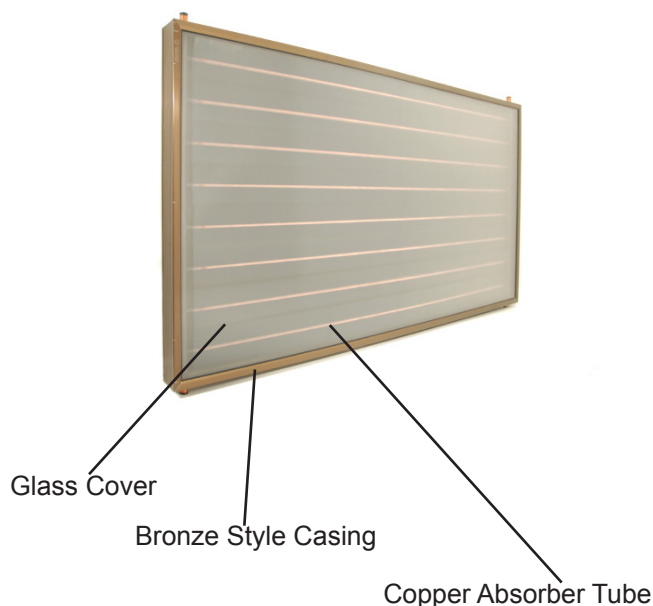
- Ultra-high performing flat plate solar collector
- Solar Keymark certified
- SRCC certification expected 2009.
- 10 year warranty available
- Sleek, low-profile design
- Multiple mounting & installation options available



Technical Specifications & Features

Series Specifications

Unit Dimensions	80" x 39" x 3-3/4"
Gross Area	21.7 ft ²
Unit Weight	88 Lbs
Heat Loss (a1)	0.881 (BTU/h)/ft ² /°F
Heat Loss (a2)	0 (BTU/h)/ft ² /°F
Setup Angle	20 - 90°
Absorber Tube	2 headers, 8 tubes
Tube Spacing	5"
Absorber Tube Diameter	0.375"
Nominal Flow Rate	1 G/min
Pressure Drop	1 PSI
Max BTU (1000 W/m ²)	5000 BTU/h
Typical BTU (800 W/m ²)	3400 BTU/h
Heat Transfer Volume	1 G/collector
Aperture Area	19.68 ft ²
Absorber Area	18.68 ft ²
Cover Material	Patterned Low-Iron Glass
Cover Thickness	0.15"
Casing Material	Aluminum (sea water resistant)
Absorber Material	Red Copper
Absorber Surface	Black Chrome Selective
Absorber Construction	Fin & Tube - brazed joints
Header Material	Copper T2
Header Tube Connections	2 x 3/4" NPT
Riser Material	Copper T2
Insulation Material	Rock Wool
Insulation Thickness	2"
Frame Material	Aluminum Alloy
Frame Color	Bronze
Back Plate Material	Galvanized Steel Plate
Lifting Lugs	2 per Side
Stagnation Temperature	327 °F
Max Operating Pressure	160 PSI
Sealing Gasket	EPDM



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