SunMaxx™

Flat Plate Solar Collectors



SunMaxx flat plate solar collectors represent a new standard in solar energy technology. Combining cuttingedge 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:

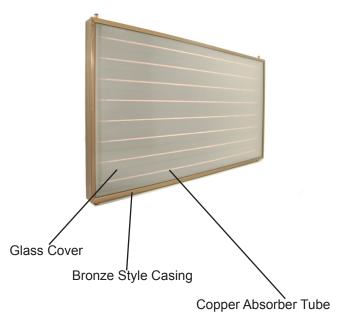
- Ultra-high performing flat plate solar collector
- Solar Keymark certified
- SRCC certification expected 2009.
- 10 year warranty available
- Sleek, low-profile design
- Multiple mounting & installation options available



Technical Specifications & Features

Series Specifications

Unit Dimensions 80" x 39" x 3-3/4" **Gross Area** 21.7 ft² 88 Lbs **Unit Weight** 0.881 (BTU/h)/ft2/°F Heat Loss (a1) Heat Loss (a2) 0 (BTU/h)/ft²/°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/m²) 5000 BTU/h Typical BTU (800 W/m²) 3400 BTU/h Heat Transfer Volume 1 G/collector Aperture Area 19.68 ft² 18.68 ft² Absorber Area 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 2 x 3/4" NPT **Header Tube Connections** 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 327 °F Stagnation Temperature Max Operating Pressure 160 PSI



In order to maintain the highest standards of service and knowledge of the latest solar technologies, Silicon Solar is a proud member of:



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