

SunMate

Hot Air Solar Panel



by **ENVIRONMENTAL SOLAR SYSTEMS**



The **SunMate Solar Panel** by **Environmental Solar Systems** is the ideal choice for homeowners who want environmentally friendly and low-cost alternative heat. Our solar panels allow you to enjoy **FREE** HEAT from the sun without any adverse effects on the environment! The SunMate pulls cool air from your home, channels it through the absorber plate where it's heated by energy from the sun, then circulates hot air back into your home. A built-in thermostat automatically turns on a blower when the absorber plate reaches 110° F and shuts off the blower at 90° F.

What sets the SunMate apart from other solar panels is the design. One-piece construction produces a streamlined appearance that doesn't detract from your home's appearance. Heavy-duty aluminum components result in quality construction that assures long life and no maintenance.

The SunMate by Environmental Solar System is efficient and affordable. A single panel heats up to 700 square feet. Double-sealed solar glass eliminates air infiltration and water leaks. Polyisocyanurate insulation results in extremely low heat loss and an energy fan operates for just pennies per day.

The SunMate is installed vertically and mounted on the south side or roof of your home or building. The design accommodates 2" x 4" or 2" x 6" construction. Parallel installation allows you to integrate multiple panels for big heating jobs.

"SunMate solar panels are a great way to save on your heating bill. I've had 2 panels on my house for 12 years now. On real cool mornings, my panel fans kick on around 7:30am and they remain on until roughly 4:00pm, heating the first floor of my house throughout the day, maintaining between 70° - 75°, even when the temperature is in the single digits. After they shut off it still maintains warmth for several hours into the evening."

– Daron St. Jean, MA

"My Name is Cecile Lescarbeau. I am 84 years old and raised 8 children. I installed solar panels to heat my domestic hot water 24 years ago. The solar system is still working like a charm. Matter of fact it works so well that I decided to install two SunMate solar panels for heat as well. I am very happy with my solar system and all the money it has saved me through the years. I love the idea that I am doing my part in saving the environment for my 15 grand children."

– Cecile Lescarbeau, MA

Features:

- Highly efficient and reliable
- Easy to install: wide variety of simple installations
- Can be used for fresh air intake for tight houses
- Brushless 100 CFM, 12VDC - 7 watt fan
- Automatic thermostat automatically turns the fan on and off
- Five-year warranty on Solar Panel, one year warranty on fan, thermostat and transformer

Tested by National Solar Test Facility

- Energy Output 5.56 kw/day - 19,000 BTU (Ti-Ta) 9°F
- **OG-100 SRCC Collector Certified**

Specifications

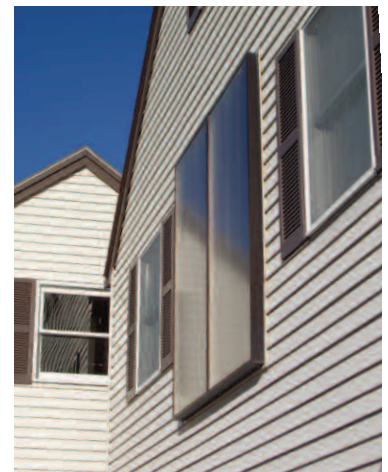
- Weight: net 90 pounds
- Dimensions: 4" x 35" x 77"

Electrical Specifications

- Step down transformer from 120 VAC, 60 Hz to 12 VDC, Direct 12 VDC, 7 watts
- Energy Star Rated

Tax Credits

- **Qualifies for 30% Federal and other State - Tax Credits**



The SunMate Solar Panel produces no emissions, no acid rain and no hazardous waste.

ENVIRONMENTAL SOLAR SYSTEMS, INC
www.environmentalsolarsystems.com 978.975.1190

US Patent #5,596,981. Other Patents Pending. Made in USA