SOLARSHEAT®

SOLARSHEAT **1000G**

MODEL NO.	SH1000-G
PART NO.	1132
ENERGY RATING/DAY	SRCC Certified OG 100
BTU	9,900 BTU/day – clear sunny day
DIMENSIONS	56.6" x 43.15" x 3.8" 144 cm x 109.6 cm x 9.7 cm
GROSS AREA	13 ft^2 / 1.2 m^2
WEIGHT	68 lbs / 30.8 kg
COLOUR	Black
TYPE	Modular solar air collector
FRAME MATERIAL	Aluminum
ABSORBER	Corrugated aluminum
GLAZED	Tempered glass

THERMAL INSULATION	Polyiscocyanurate, R4
FLOW RATE	100 CFM (backdraft damper installed)
CONTROL	Digital thermostat (included)
FAN	DC
FAN POWER	Solar electric PV 14.5 watts
CO2 REDUCTION	.18 tonnes per year
TEMP	90° F (32° C)
MOUNTING	Wall or roof (additional flashing and roof mount required
WARRANTY (from date of purchase)	Collector: Five (5) years Electronics: One (1) year
MANUFACTURED IN	Canada
MANUFACTURER	Your Solar Home Inc.

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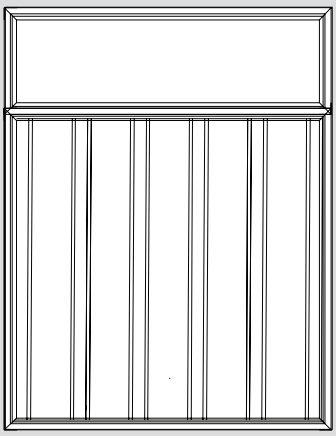
YOUR SOLAR HOME INC. is a renewable energy solutions company which manufacturers and develops solar air collection heating systems for residential and industrial use.

Our products are economical, environmentally friendly and can be used for air heating in a variety of different climates and applications.

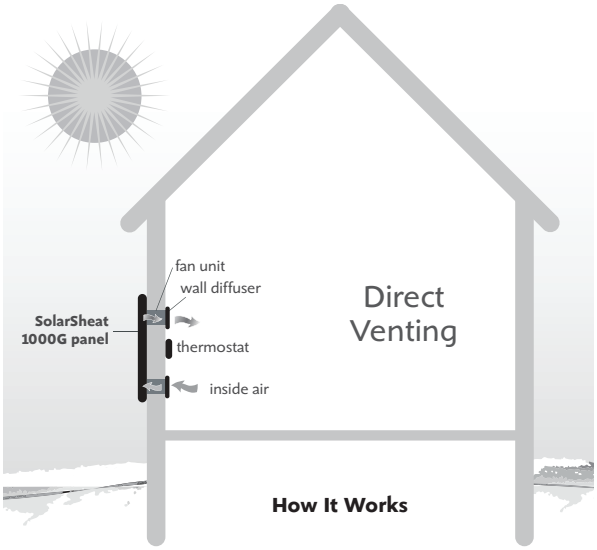


1000G

*heats a room up to 65-70ºF (18-21ºC) when the outdoor temperature is 30ºF (0ºC) (in other words, up to 35-40ºF rise above the outdoor temperature). Suggested square footage range based on typical Canadian home construction similar to an old brick farm house to a very tight and well insulated new townhouse (similar to an Energy Star certified, middle unit, townhouse). Assumes other space in the house is heated. Results may vary depending on level of insulation, air leakage, & existing unshaded south facing windows.

U.S. Patent 7,484,507 B2

Product Description
The SolarSheat 1000G is a modular solar air heater designed for supplemental room heating. The SolarSheat 1000G can heat a room* from 71 to 300 ft^2 (or 7 to 28 m^2) when the sun is shining. Air is drawn through the SolarSheat, heated up, and pushed back into the room. The system is self-powered and does not require any electricity from the house. The SolarSheat can also be used to heat small tents, yurts, or huts. It is roughly 3.5 ft (1 m) wide by 4.5 ft (1.4 m) tall, by 3.5" (9 cm) thick, so it fits around windows, doors, and hipped roofs.



How It Works

Installation
Installation is quick and easy using the patent pending, shelf-like, mounting strip - the SolarSheat Wall Mount. It may be mounted on the outside of a south facing wall or roof. The duct kit contains the most hardware necessary to heat a space directly on the other side of a south facing wall. Screws to attach the wall mounts to a wall and outdoor grade sealant are not included. Roof installation hardware sold separately. The SolarSheat is a do-it-yourself system. A detailed installation manual is included with every SolarSheat 1000G.

The SolarSheat must be mounted below any overhangs equal to 1.75 times the distance that the overhangs equal to 1.75 times the distance that the overhang sticks out. For example, if the overhang sticks out one foot, the SolarSheat 1000G must be mounted 1.75 ft or more below the overhang.

Thermostat
The SolarSheat 1000G includes a battery powered, digital thermostat that allows you to set a maximum room temperature. The unit can deliver up to 90ºF (32ºC) estimated air. The desired room temperature is set at the external digital thermostat. During the summer, the SolarSheat 1000G can be turned off. The SolarSheat is very rugged and is made with high temperature resistant materials.

Fan
The fan drives air through the SolarSheat at up to 100 CFM for adequate room heating. It is powered by the solar electric (PV) panel built into the SolarSheat 1000G.

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YOUR SOLARSHEAT DEALER: