



Press release
January 22, 2025

The economical SunAéro® solar heater is now certified and connected!



Thermal efficiency greater than 70% to save up to 35% on your energy consumption!

Solar Brother, specializing in the design of ecological solar solutions (ovens, barbecues, fruit and vegetable dryers, etc.), announces that it has obtained SolarKeymark certification for its SunAéro® solar heating system with yields announced as the highest on the market. A high level of performance that allows you to generate 3°C to 5°C of additional heat thanks to free solar energy, and therefore to lower the thermostat of your current heating system by the same amount, to save up to 35% on your energy bill. And to control your consumption even more, SunAéro® now has an application to monitor yields in real time.

SunAéro® obtains SolarKeymark certification



CERTIFICATE
N° 24.12.002



Solar Keymark / Solar Keymark

Range Name / Nom de Gamme :
SUNAERO

The SolarKeymark certification is a globally recognized certification. It is a quality label for solar thermal energy. Developed by the European Committee for Standardization CEN, it serves as a reference for solar collectors and systems.

Having been tested by a third-party laboratory on its resistance to outdoor conditions and its performance, the SunAéro® solar heater has obtained excellent results on its performance: a thermal efficiency greater than 70% with 180m³/h of renewed air volume and a calorimetric production at + 30 ° C. Results that are now public and available on the SolarKeymark website. With this official certificate received on December 1 , 2024, Solar Brother will be able to accelerate its marketing and target in particular the market of craftsmen, installers and specialized large retailers.

An application to monitor the performance of SunAéro® at any time



Another new feature is that SunAéro® is now connected! Users can now monitor the heat production and humidity level of the room in real time via the free SunAéro® application.

Developed by Solar Brother engineers, the application now allows you to view the following data: the temperature in the room, the temperature produced by the heating, the air flow generated by SunAéro®, the humidity level in the

room. Today, any customer who has connected their SunAéro® to their Wifi can view their production data from anywhere. Ideal for anyone who needs to remotely monitor the energy performance of their second home.

Other improvements and features will be added soon (remote control, personalized settings or the air cooling function for summer).

SunAéro®, bring more heat to your rooms for free with one or more panels!

SunAéro® is the first connected solar heater capable of heating and renewing the air for rooms of 20 to 60m² such as a bedroom, a living room, a workshop, a shed, a cellar. The benefit? The 3 to 5 additional degrees that it generates in the home allow you to reduce your current thermostat by the same amount and therefore make real, significant savings.

Depending on needs, users can modulate the capacities of SunAéro®, and combine 1, 2 or 3 panels of 10 to 20m² (depending on the volume of the room to be heated) for a power of 500 watts per panel. With 2 SunAéro® aerothermal panels, users will have an additional power of 1,000 watts to heat their room and 1,500 watts for 3 panels.



SunAéro® can be easily installed on any type of home!

SunAéro® aerothermal heating adapts to traditional and alternative habitats: concrete/brick-stone house, container habitat, tiny house, workshops. It is installed vertically or horizontally on a facade, on the roof or on a nomadic base with a south orientation via modular panels that are fixed to the partition by mechanical fixing with quick fasteners.

With its "Plug & Play" system, **installation is very simple**: once you have chosen the room you want to heat, simply drill 4 holes on the outside of the front of the room to fix the panel. Its solar operation does not require any connection to the electricity grid!

SunAéro® operates completely autonomously using solar energy

Once the panels and the pilot block with the ventilation system are installed, you don't have to do anything else. The solar heating starts up naturally:

1. Outside air enters the bottom of the panel through the filtration cassette.
2. The air then comes into contact with the solar absorber in the aerothermal solar panel which is designed to optimize heat transfer.
3. By climbing into the panel, the air is heated and propelled inside the house by controlled ventilation. As soon as the pilot block exceeds the temperature of the house, the ventilation starts. At nightfall, it automatically cuts off with sunset.

This technology optimized by the insulation of the air duct is patented, it allows to obtain better yields with a mechanical assembly, without glue or silicone. The heat combined with the air flow heats and dehumidifies the rooms. With SunAéro®, users thus not only obtain a few degrees "for free" to heat their rooms but also renew the volume of air in the rooms every hour with a silent ventilation system. As a result, you also benefit from better air quality on a daily basis without having to open the windows.

SunAéro® is a French innovation guaranteed for up to 25 years, designed and assembled in Carnoules in the heart of the Var by a team of engineers with more than 20 years of experience in solar thermal energy.

About Solar Brother :

Created by Gilles Gallo and Gatién Brault in 2016, Solar Brother develops a complete range of solar innovations for both the home and outdoor activities, operating on concentrated solar energy technology: a technology as old as Archimedes and that almost everyone has experimented with using a magnifying glass as a child. Based on this principle, Solar Brother has designed and distributed to the general public 12 innovative products always geared towards autonomy and energy savings, including 3 Lépine awards. They are available in nearly 300 points of sale in Europe, with a promising launch in Japan in 2020.

Benefiting from the support of the Public Investment Bank, both on innovation and export, Solar Brother now wishes to accelerate the development of the brand internationally, particularly in Europe and the United States. Committed to reducing its environmental impact as much as possible, Solar Brother uses recycled, upcycled materials and zero waste packaging and French manufacturing. Solar Brother is recognized by the French government via the ESUS label.



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