



# SUNAERO

Energy-efficient solar heating



Solar Keymark  
Certification.

Improve the thermal comfort of the habitat and strengthen its

Energy autonomy in the face of fluctuations in energy prices is the challenge taken up in 2023 by Solar Brother engineers, with the design of the economical SUNAERO solar heater.

Designed for any type of home, the SUNAERO heater is easily installed on a sunny facade or roof and produces heat autonomously and free of charge. With SUNAERO, homes become warmer, more economical, and more environmentally friendly.

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**Benefits / 02**

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**The principle / 03**

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**What habitats / 04**

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**Modularity / 05**

---

**Performances / 06**

---

**The thermostat / 07**

---

**The Sunaero application / 08**

---

**Benefits / 09**

---

**Benefits / 10**

---

**Quality / 11**

---

**Installation / 12**

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**Technical description / 13**

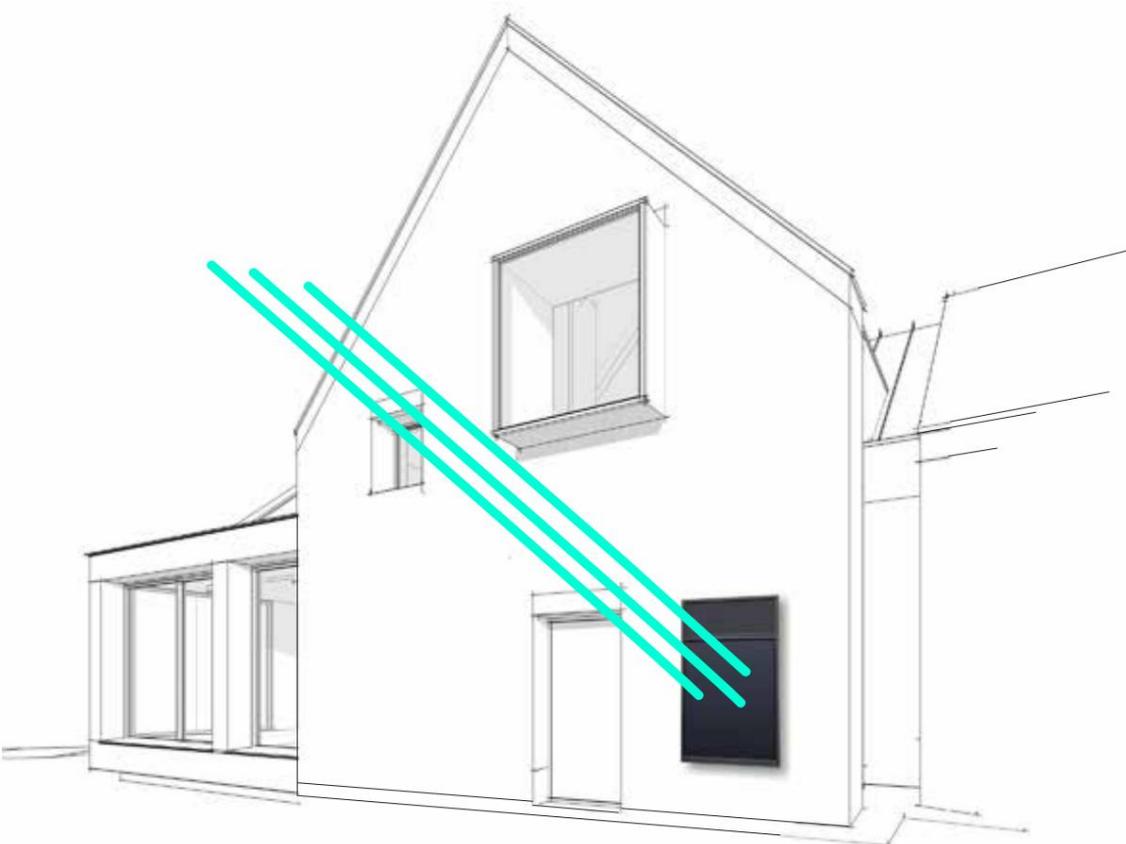
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# Brilliant assets.



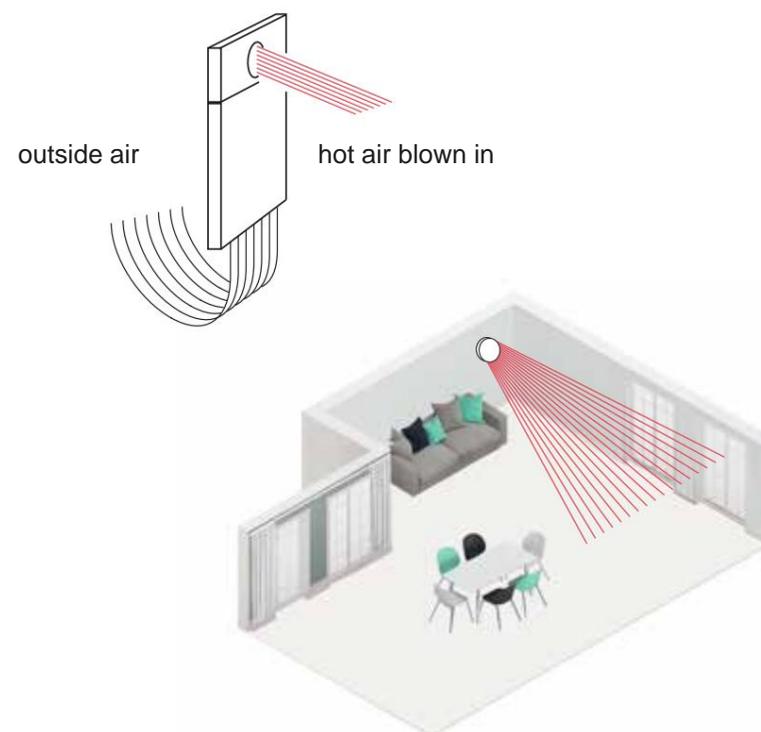
 FREE ENERGY	 MODULAR	 WIFI CONNECTION
 AUTONOMOUS	 0% CARBON	 RENEWED AIR
 REFRESHES IN SUMMER	10 years GUARANTEE	 PRODUCTION

# Heat for free.



Without gas, without electricity,  
no fossil energy

Installed on the facade or roof, Sunaéro  
produces free heat for your home from the  
first rays of the sun.



For all.

Sunaero can be installed on all types of facades with a South orientation +/- 30°: traditional houses, concrete, brick, stone and alternative habitats: tiny house, container house, wooden sheds (....).



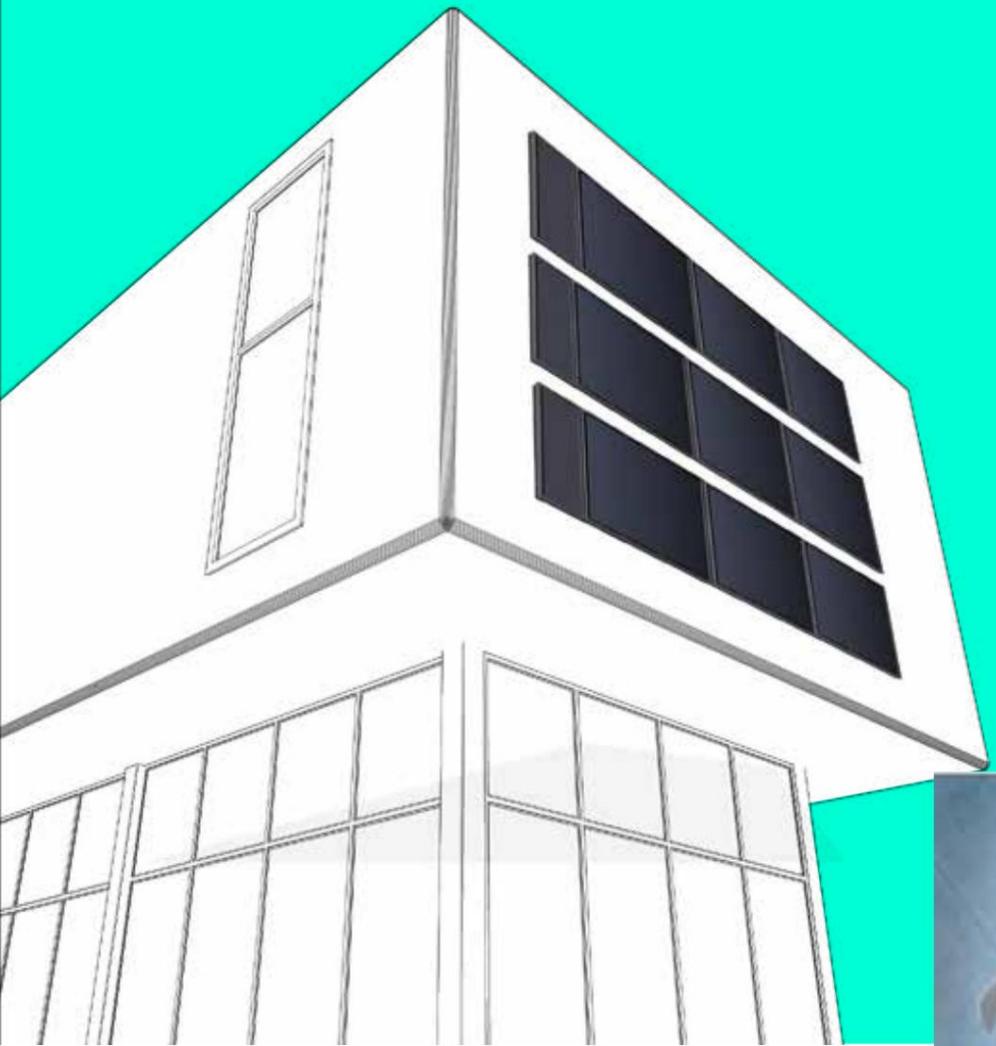
Everywhere.



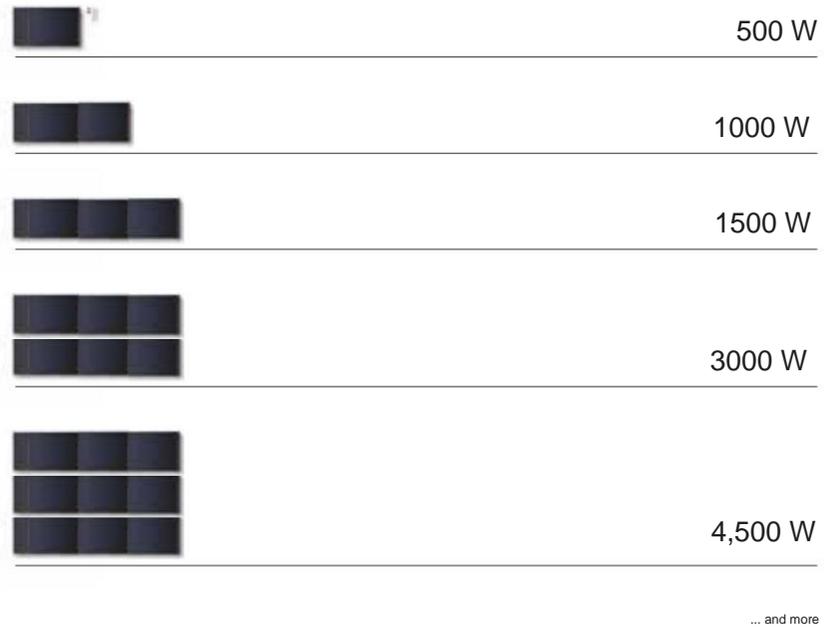
Sunaero operates completely autonomously. Equipped with a 32W photovoltaic panel, it does not require any connection to the network.  
electric, nor fossil energy input.

# Powerful.

Heat without limits



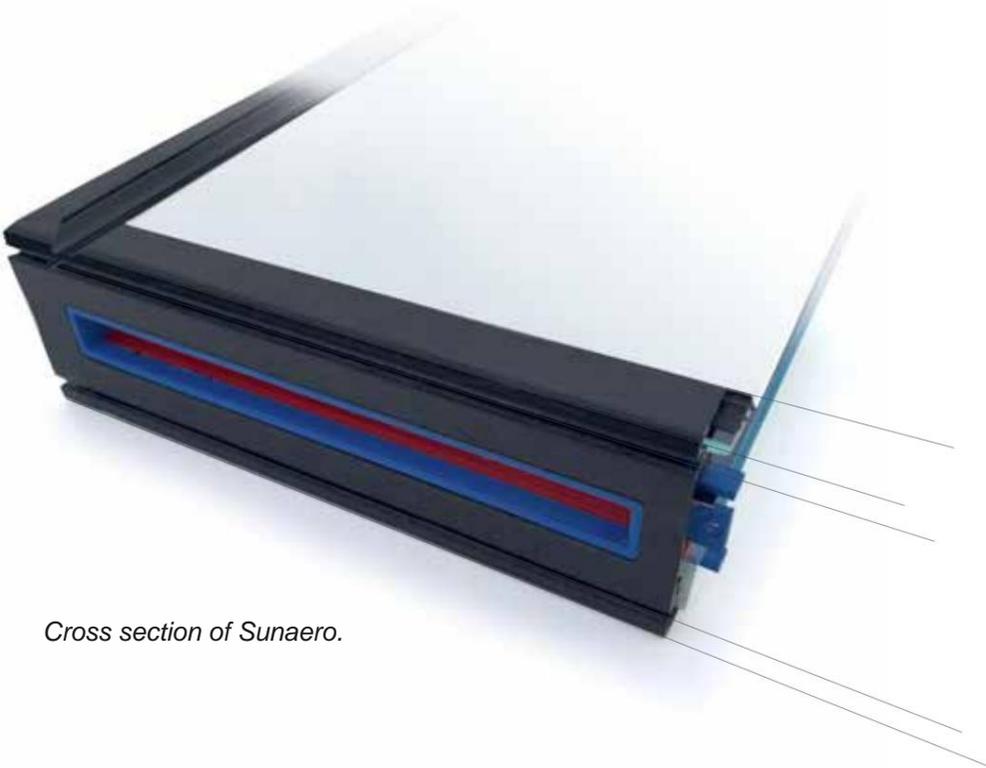
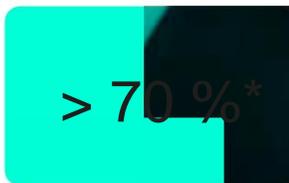
# Modular.



Boost Sunaero's power.  
With its 3 modular and scalable solar panels, increase your heat production according to your needs.



# Yield thermal.



*Cross section of Sunaero.*

The patented insulation technology of Sunaero, developed by our engineers, maximizes the conservation and transfer of heat for a thermal efficiency greater than 70%\*.

\* Calculated from Solar Keymark data taking into account only the active thermal part of the collector (excluding the frame and surface of the photovoltaic panel).

# Certification Solar Keymark.

Certificate No. 24.12.002

Global quality label for solar thermal.



## 80 C°

Maximum operating temperature

## >70%\*

Thermal efficiency\*

Calculated from Solar Keymark data taking into account only the active thermal part of the collector (excluding the frame and surface of the photovoltaic panel).

## 200 kg/m<sup>2</sup>

Mechanical resistance/load



Hail resistance



Waterproofing against tropical rains

BTMETER

## Thermal efficiency.

Take back control of your energy  
consumption

With 3 to 5°C of free heat blown into your  
room

Reduce your consumption  
of energy when heating

Sunaero up to



35%

\* A 1°C lower thermostat setting means a 7%  
reduction in your bill. Source: Ademe.

## Pilot Sunaero.



### It's simple.

- Choose your set temperature
- Decide on ventilation speed 1 / 2 / 3
- Turn the Wifi mode on / off



Protect your home  
from humidity



Track your  
production.

With the Sunaero app, track your heat  
production in real time, from anywhere for better control  
of your consumption.



## Spread the word healthy air.

Thanks to its exterior air intake, Sunaéro blows in warm, fresh air, removes indoor pollution (VOCs\*) and cleans your room every day.

Its dual action heat + air flow reduces the rate humidity in rooms. Damp spaces, second homes, garden sheds (...), Sunaéro prevents the formation of mold and preserves the integrity of your rooms.



# +30°C

compared to the  
outside temperature

AIRFLOW UP TO

# 180m<sup>3</sup>/h



Air intake  
outside



Cassette  
filtration.



3 speeds  
ventilation



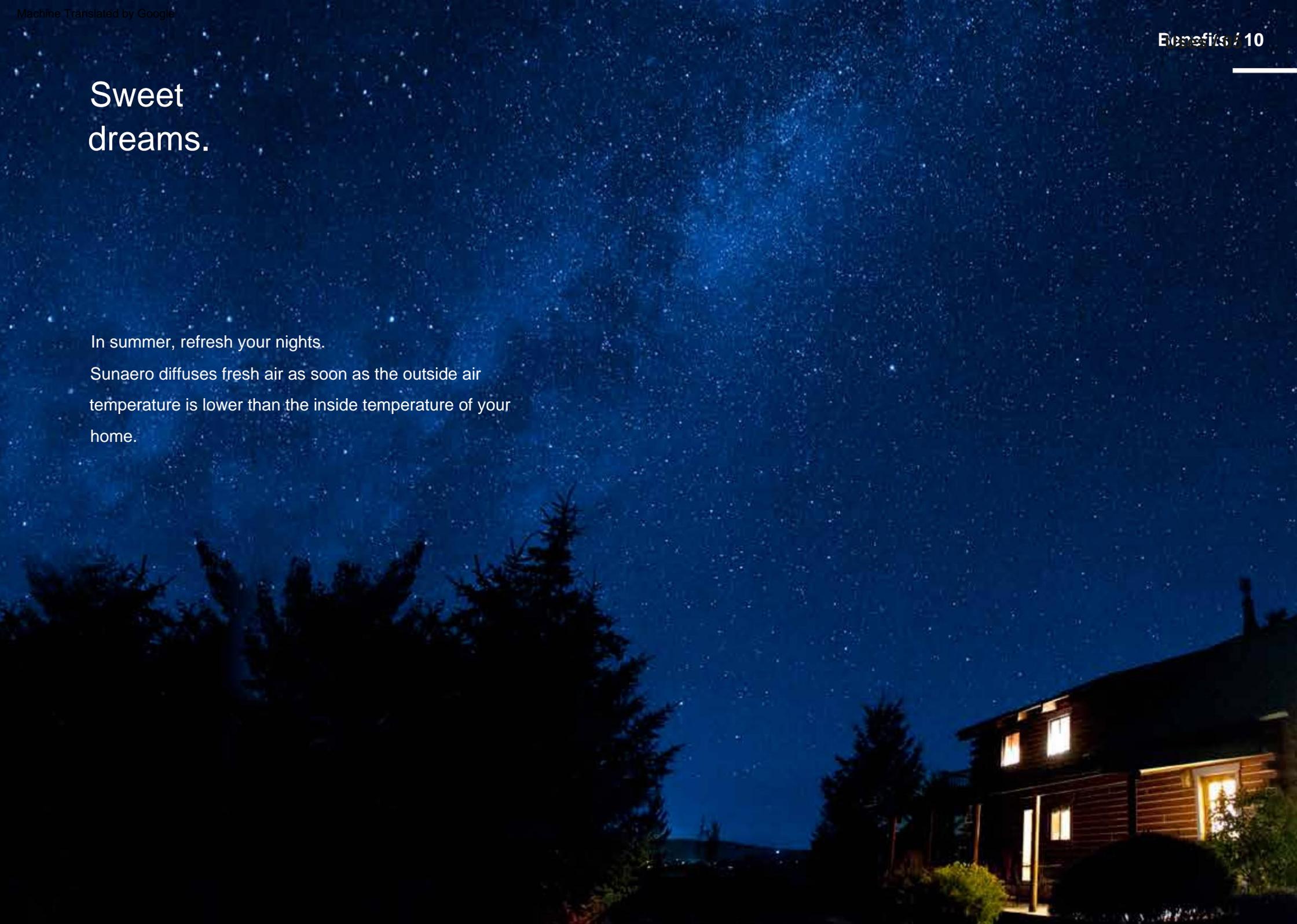
Flap  
non-return

\*VOC: volatile organic compounds.

# Sweet dreams.

In summer, refresh your nights.

Sunaero diffuses fresh air as soon as the outside air temperature is lower than the inside temperature of your home.



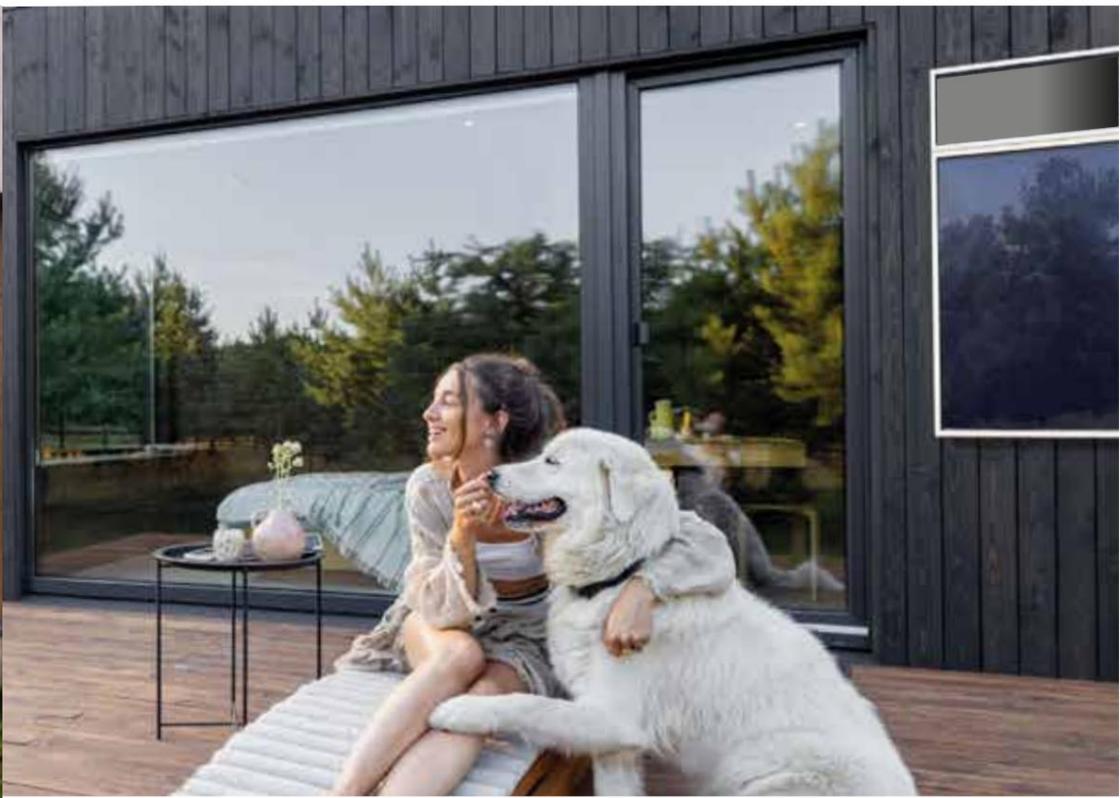
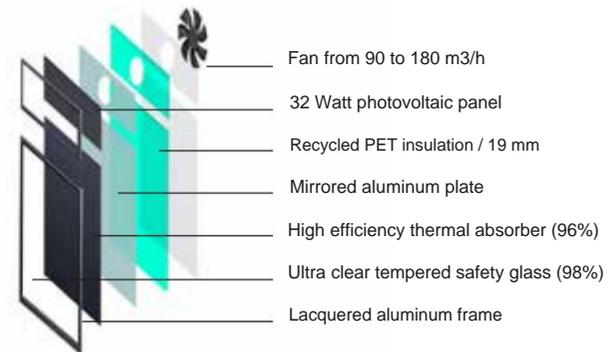
# Quality & Design.

Stylish and ultra-thin, Sunaéro is eco-designed with durable and resistant materials. It is available in 2 colors

“light white” & “anthracite black”.



Designed and produced in our production center in VAR.





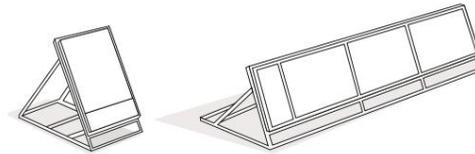
## A system installation unique.

Thanks to a slide and clip system, designed for easy installation, Sunaero slides “in one movement” onto your facade, your roof or its mobile base.

The arrival of hot air requires an opening

Ø 14 cm.

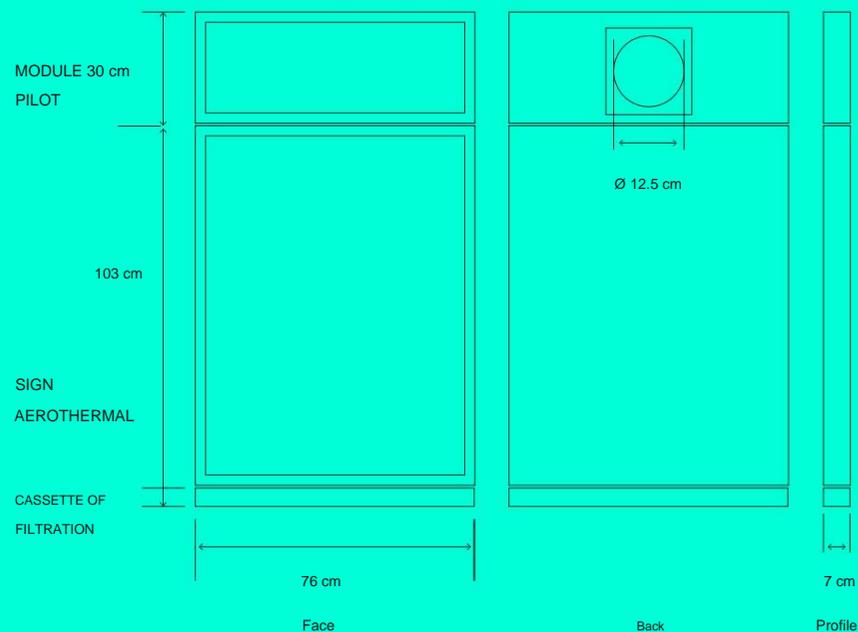
Installation 1 person / 13kg panel



Mobile bases option  
from 1 to 3 panels  
Tilt from 45° to 75°



# Technical description.



# SUNAERO

## PILOT MODULE

**Air flow:** 90-180 m<sup>3</sup>/h

**Sound level:** maximum 51 dB (3 speeds)

**Dual Power Supply**

- Integrated SunPower 32W IP65 solar panel (heating/drying modes) • Mains powered with the supplied 12V/3A charger (night ventilation/drying modes).

**Indoor thermostat**

Heating/drying programs with manual adjustment and Wi-Fi mode activation.

**Wifi module** (can be deactivated)

Management and reporting of temperature and humidity information.

**Dimensions :** 30 x 76 x 7 cm / Weight: 7 kg

**Materials:** aluminum frame, aluminum plates and recyclable plastics.

**10-year warranty**

**French design and manufacture**

## AEROTHERMAL PANEL

**Power :** 500W

**Production:** 700kWh/year

**Yield :** >70%, calculated from Solar Keymark data taking into account only the active thermal part of the sensor (excluding the frame and surface of the photovoltaic panel).

**Modularity:** 1 to 3 panels with a single pilot **Heating**

**surface :** 20m<sup>2</sup> with 1

panel, 40m<sup>2</sup> with 2 panels, 60m<sup>2</sup> with 3 panels **Dimensions :** 103 x 76 x 7 cm / Weight:

13 kg **Materials:** Ultra Clear safety glass, aluminum frame and

plates, recyclable plastic.

**Filtration cassette** (for 1 to 3 panels)

3D structure filter (optimal retention of dust and coarse particles).

**Materials:** aluminum and polypropylene filter.

**10-year warranty.**

## Facility

Supplied with a complete wall mounting kit

Optional: roof installation kit, ground or flat roof mounting structure