

ROBOT CLEANER
& PHOTOVOLTAIC
SOLAR PANELS

Opti+⁵

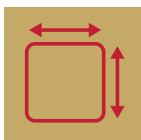


Opti+⁵ preserves up to 15%
the performance of your solar panels



PV Cleaning Robot

Opti+⁵ is a remote controlled robot designed to clean solar installations on roof tops.



Cleaning capacity 400 m²/h - 260 kWh*

Opti+⁵ operates at a speed of 30 m/min, granting it a cleaning capacity of 400 m²/h.

(* According to geographic location)

www.robot-optiplus.fr

- The Opti+⁵ robot is a solid solution to optimize your electricity production.
- It is designed to remove any type of dirt that may affect the efficiency of your panels, like dust deposits, sand and bird droppings.

Your Q&A

Should we clean the solar panels?

Yes, indeed. Solar panels need a regular maintenance in order to keep their optimal performances.

Sand, dust and pollution accumulate on their surfaces, altering their production efficiency and at the same time reducing their life-span.

Rain is not enough to clean the solar panels, actually it even tends to hoard the dirt already there.

Our robot can use a wet or dry cleaning system depending on the weather conditions.

The performances of a regularly maintained panel will not decrease each year.

How long does the cleaning take?

Our robot operates at a speed of 30 m/min, cleaning up to 400 m²/h per in a round trip, the batteries have a life of 7 hours.

Can it be used on all roofs

The maximum slope is 45%, which represents the majority of current roofs.

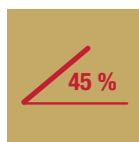
What are the operating costs?

Opti+⁵ has a very low running cost, you just need to recharge your battery. The water consumption is 0,2 to 0,6 l/m², much less than the conventional high pressure cleaning.

Is it safe?

Of course it is. The brushes are specifically designed for this purpose, operators will not have to work on roofs anymore, comfortably controlling the robot from an elevating platform.

The pressure applied by the Opti+⁵ robot is 60 g/cm², thanks to its optimized weight.



Slopes up to 45%

The tracks, made of 46 special rubber pads, grant the robot a great stability and maneuverability even on the steepest roofs.



Autonomy up to 7 hours

Opti+⁵ robot included two easy interchangeable batteries.

Specifications

- Overall dimensions: 1200 x 1500 x 430 mm
- Weight: ≈ 74 kg
- 2 brushes: diameter 180 mm - length 1100 mm
- 2 tracks developed for optimum grip on solar panels
- Water consumption: 0,2 to 0,6 l/m²
- Remote controled
- Dry cleaning with specially-designed brushes (*)

(*) According to geographic location

Standards and guarantees

In accordance with the French legislation, the Opti+⁵ robot is guaranteed for one year, excl. travel and transport costs. (see General & Special Conditions of Sale).



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