

PRODUCTS CATALOG

SolarCleano



*The one-stop shop for all your solar cleaning
& maintenance needs*

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General overview



	F1	M1	L1	T1	B1	B1A
Controls	Remote	Remote	Remote	Remote	Remote	Autonomous
Cleaning Capacity	1120 m ² /h	600m ² /h	2000 m ² /h	N/A	3000 m ² /h	3000 m ² /h
Length	1450 mm	1139 mm	1800 mm	1300 mm	6908 mm	6908 mm
Width	1315 mm	479 mm	2483 mm	1200 mm	1740 mm	1740 mm
Height	333 mm	893 mm	386 mm	700 mm	3504 mm	3504 mm
Weight	80 kg	37 kg	125 kg	350 kg	1100 kg	1100 kg
Brush types	4 types	4 types	4 types	N/A	4 types	4 types
Wet-Dry Cleaning	Wet/Dry	Wet/Dry	Wet/Dry	N/A	Wet/Dry	Dry
Maximum Speed	40 m/min	30 m/min	40 m/min	54 m/min	40 m/min	20 m/min
Remote control range	200 m	200 m	200 m	200 m	200 m	N/A
Battery life	1h45	3h	4h	4h	7h to 12h with solar panels	7 to 12h with solar panels

General overview



Fastest robots on the market, from 500 to 4000 m²/h



Operate under any condition



One-year warranty with dedicated after-sales services



No microcracks: Fraunhofer certification



A range of robots to suit every budget and all types of solar panel installations

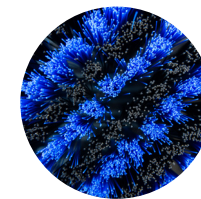


Also suitable for window and glass roof cleaning

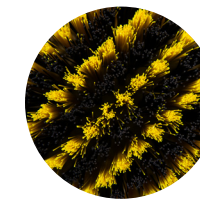


No work at height: remote control from ground level

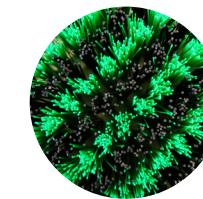
4 types of brushes for different soiling conditions



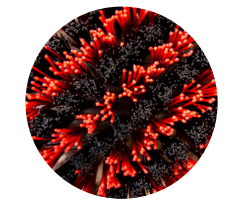
Soft



Standard



Hard



Very hard

SolarCleano F1



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LED lights system for cleaning in nighttime conditions



Camera for remote operation

Better safety
No work at height required.
Easy handling
Remote control
Autonomy of 24h
Water resistance IP65

Built-in filter for best water quality
Connects to standard garden hoses of 13-15mm diameter & 2.5-8 bar water pressure



Central electric switching box

Power supply by battery with an autonomy of 2h

Water free system
Valves to adjust the water consumption
Average: 0.3l/m²

Helicoidal brushes from 1,1m to 2,2m with 4 bristle types

High end caterpillar tracks

For wet and dry cleaning
For all kind of installation
Up to 25° slope

Ultra-sound sensors for edge protection



SolarCleano M1



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Easy handling
Remote control
Range of 200m
Autonomy of 24h
Water resistance IP65

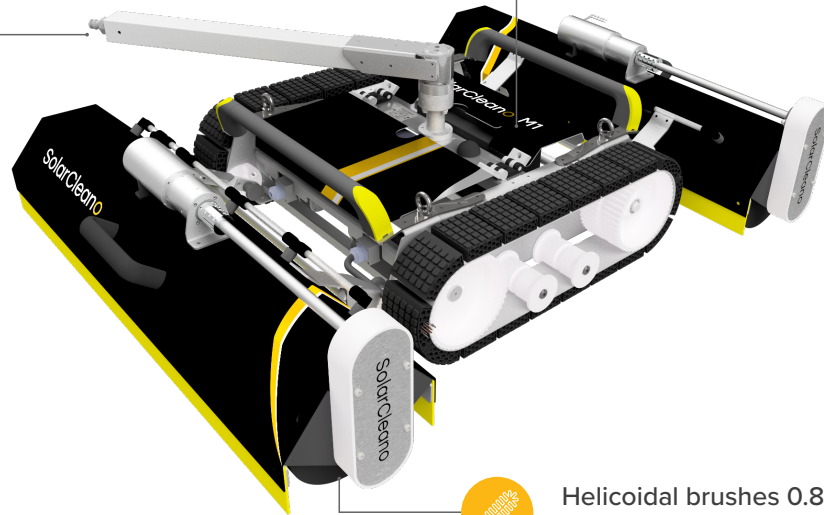


Lightweight structure
Dedicated to small installations



Approved for dry cleaning

Connects to standard garden hoses of 13-15mm diameter & 2.5-8 bar water pressure. Valves to adjust water consumption (0.25 to 0.8L/m²)



Central electric switching box
Power supply by battery with an autonomy of 3h




Helicoidal brushes 0.8m with 4 bristle types.
Dry & wet cleaning, up to 18° slope.




SolarCleano L1




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 2.45m wide brushes


 4 types of bristles

 Ideal for 1P trackers installations

 Max inclination 27°

 2 batteries for 4h autonomy

 Cleans up to 2000m²/h

 Compatible with camera and LED lights



SolarCleano T1



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1 single operator



Ideal for ground-mounted installation



Max inclination 25°



Platform height
1.53 - 1.88m



Speed up
to 54 m/min



Compatible with
SolarCleano F1, M1 & L1



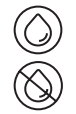
SolarCleano B1



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Remote-controlled



For both water and waterless cleaning



Solution to ground-based utility-scale solar plants



Cleaning capacity up to 8MW per day



Different options of brush up to 6m




Self-adaptation to height and inclination





SolarCleano B1A





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 Fully autonomous dry-cleaning robot

 Solution to ground-based utility-scale solar plants

 Cleaning capacity up to 15MW per day

 Different options of brush up to 6m

 Self-adaptation to height and inclination





 Programmed sessions for cleaning anytime













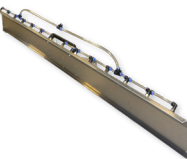

We offer fully bespoke autonomous solar bridge cleaning solutions to your **large-scale power plants**



Accessories

		COMPATIBLE WITH			
		F1	M1	T1	L1
	Safety glider For safer cleaning on installations of more than 25°.	●	●		●
	LED light Solution to cleaning at night. The light is paired with a camera and screen set.	●			●
	Osmosis system Purifying the cleaning water with no residue on solar panels.	●	●		●
	1.2m (F1) or 2m45 (L1) brushes For wet and dry cleaning on different soiling types.	●			●
	1.1m brushes Especially designed for the cleaning of east-west and floating installations, and line on rooftops.	●			
	0.8m brushes For wet and dry cleaning on different soiling types.		●		
	2.2m brushes For wet and dry cleaning on different soiling types.	●			

		COMPATIBLE WITH			
		F1	M1	T1	L1
	Floating wheels Making your cleaning more fluid on floating panels and smart solar trackers installations.	●	●		
	Galileo Track all your robots' performances, collect data and plan your maintenance.	●	●		●
	Additional charger Keeping your batteries fully-charged all the time.	●	●		●
	Additional charger of 15A (T1) Keeping your batteries fully-charged all the time.			●	
	Toolkit Having all the necessary maintenance tools of the robot by yourself.	●	●	●	●
	Fall arrest equipment High-quality harnesses and lanyards.	●	●		●

		COMPATIBLE WITH			
		F1	M1	T1	L1
	Spare part kit: Simple and fast robot maintenance by saving the waiting time and replacing parts of the cleaning robot whenever necessary.	●	●		●
	Remote control battery Allowing your robot to clean for a longer time.	●	●	●	●
	Remote control battery charger If you have several batteries, make sure you have enough chargers!	●	●	●	
	Camera and screen Increasing operation safety and allowing you to pilot from the ground, or if vision is obstructed.	●			●
	Sprayer Easily spreads dedicated cleaning product on particularly soiled panels (Lichen, Cement, Bird Droppings,...)	●			
	Anti-fall sensor Detects the end of the panels' line to efficiently prevent any fall or other accidents.	●			●

Demos, training, and support



Demos

- We regularly organise free demonstrations and we are ready to present you our solar robot live on your installation.
- Contact us anytime for a demo request.

sales@solarcleano.com



Trainings

- Our experienced staff have done many robotic panel cleaning trainings to local cleaning companies. Our experience shows that the better you train your employees, the better they will use and maintain your robot.
- Get in touch for a training inquiry.

sales@solarcleano.com



Support and maintenance

- With a qualified and multilingual after-sales service team at your disposal, we look forward to answering your questions and studying your technical specifications.

- 7 a.m. - 6 p.m. (GMT+1) 5 days a week.

service@solarcleano.com

What we represent



Innovation

- State-of-the-art engineering
- Customised solutions for your need



Customer service

- A dedicated and multi-lingual team at your services
- 10 spoken languages
- 7 a.m. - 6 p.m. (GMT+2), 5 days per week



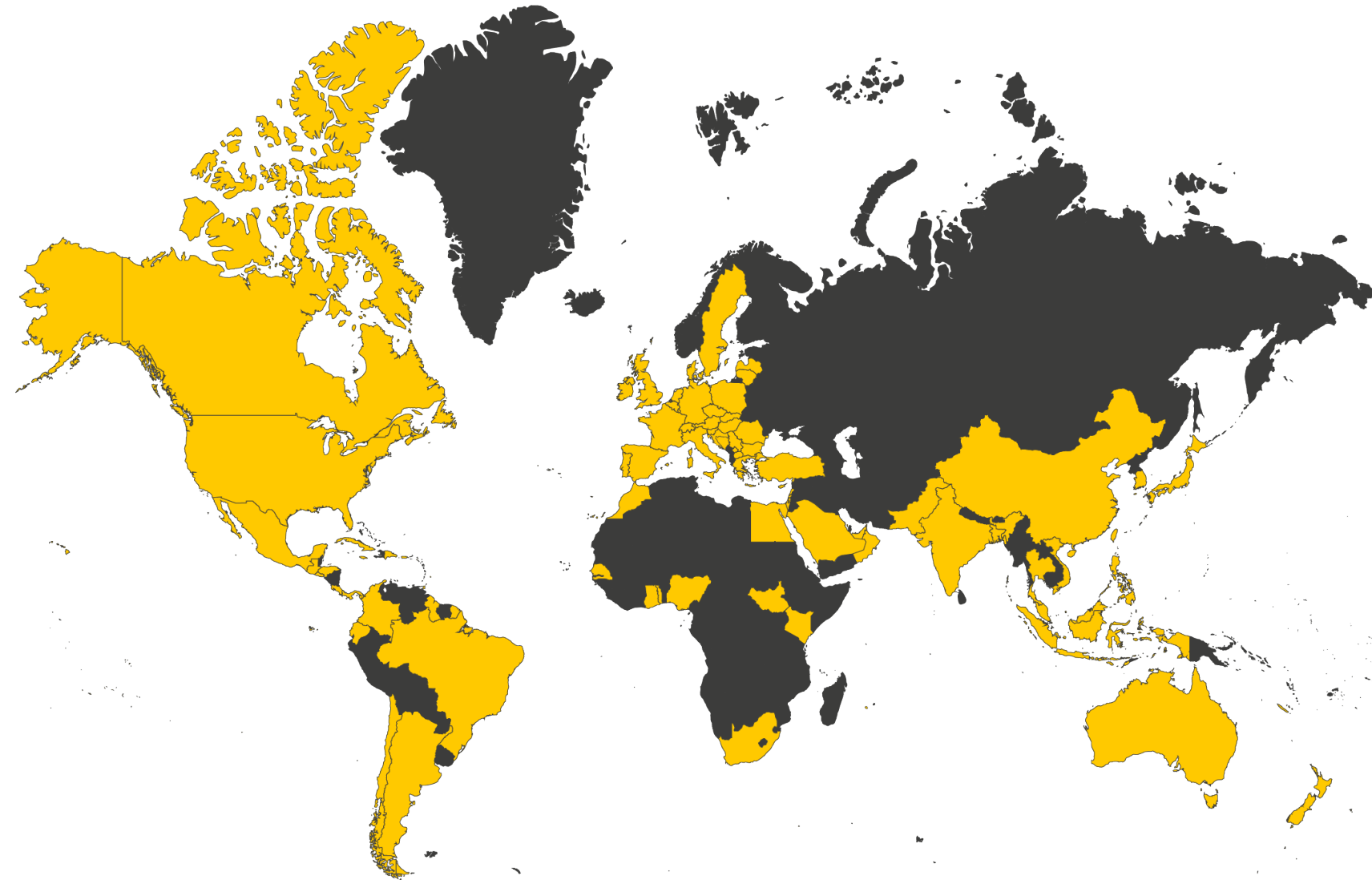
Quality

- ISO 9001 & ISO 14001 certified
- Made in Europe, conform with the latest European standard and regulations (CE)
- N°1 semi-autonomous cleaning robots on the market





Global Presence


- Already in more than 90 countries in 5 continents





The Evolution of SolarCleano


 Robot-fluent R&D team, technology at the core

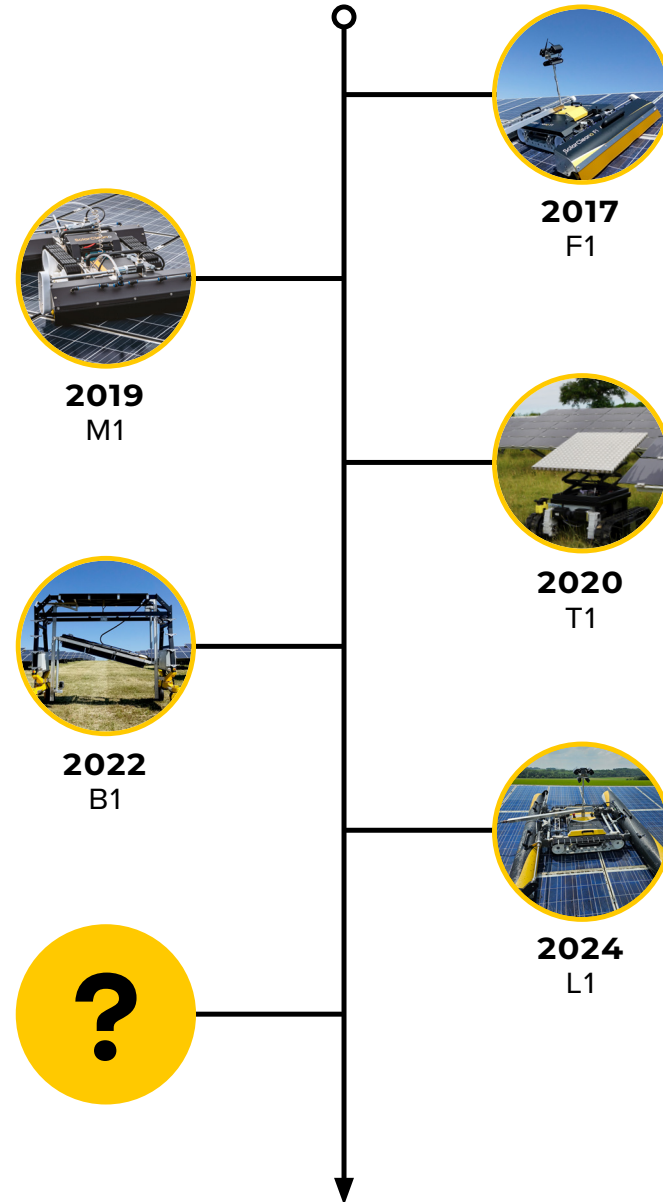
 Regular product updates to guarantee top efficiency

 New product release regularly

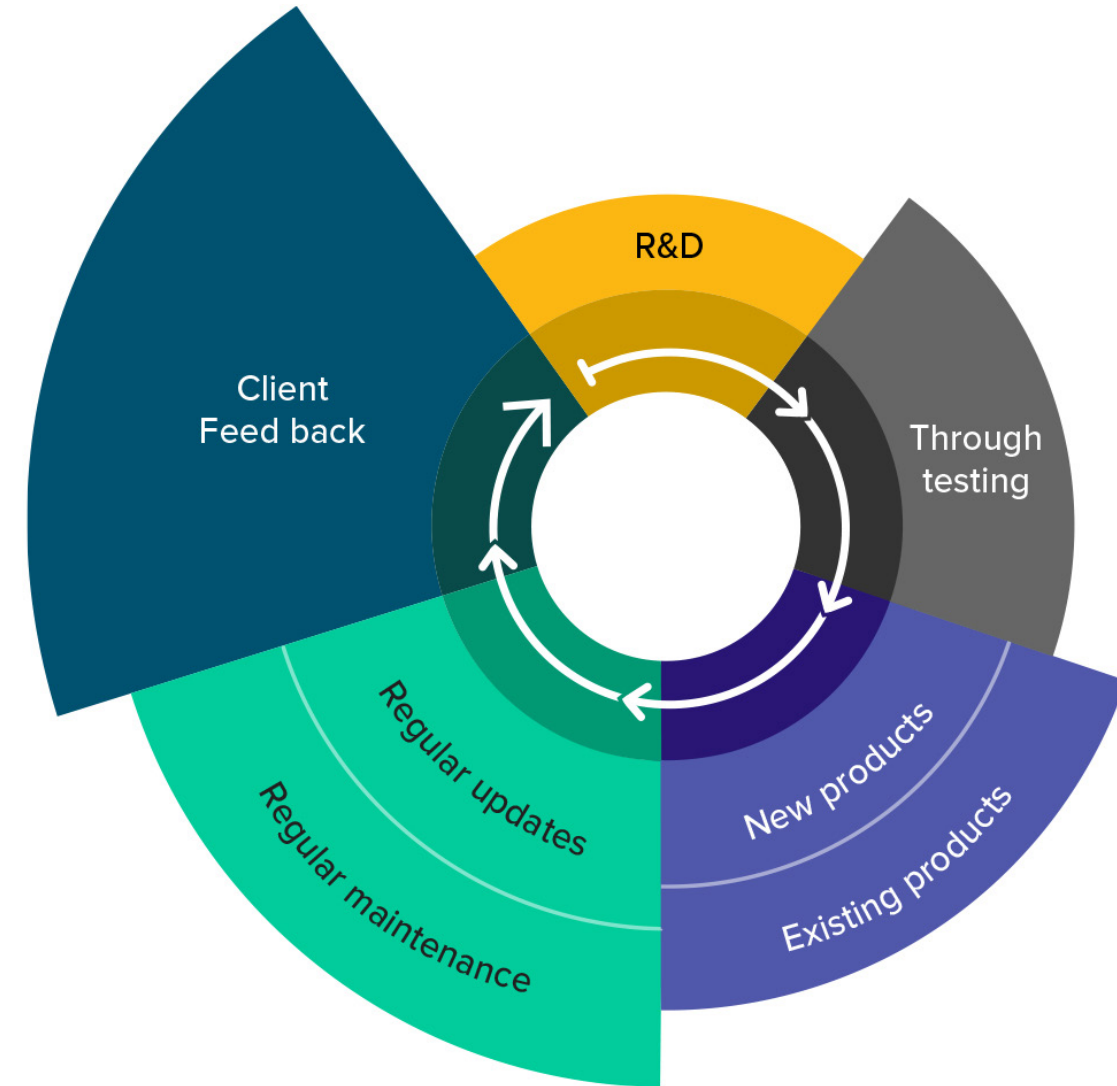
 Partnerships with customers for feedback and improvements

 Thorough testing on all products

 Regular maintenance and updates offer



Innovation is part of our DNA

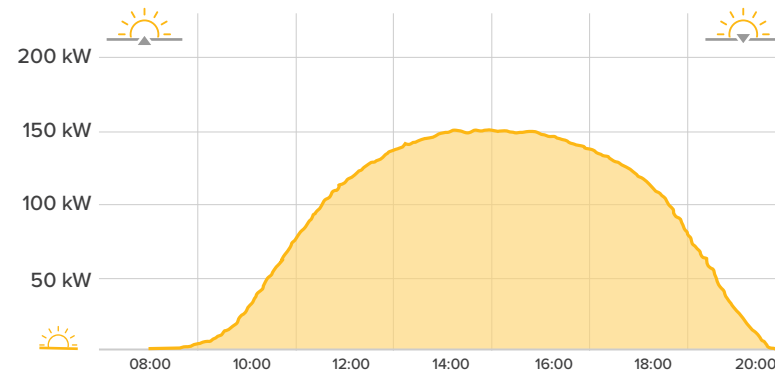




Regular cleaning maintains your photovoltaic installation and can help it regain performance, and participates to maintain your installation in a good state. The sunlight reflection diminishes with dirt and reduces the absorption of solar energy on photovoltaic cells. As a result, *cleaning regularly your solar panels is considered a good investment.*

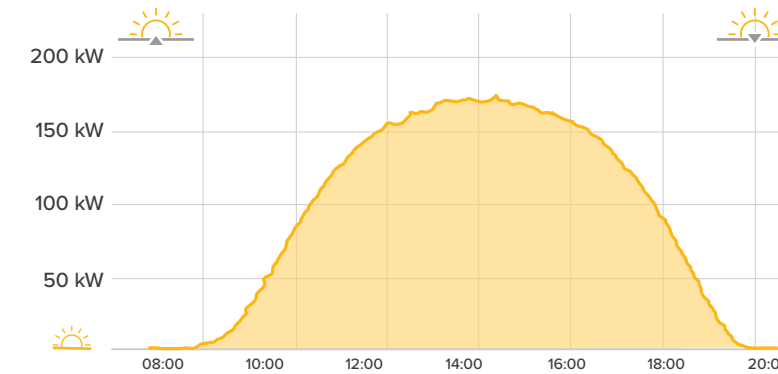
Why cleaning?

Before cleaning

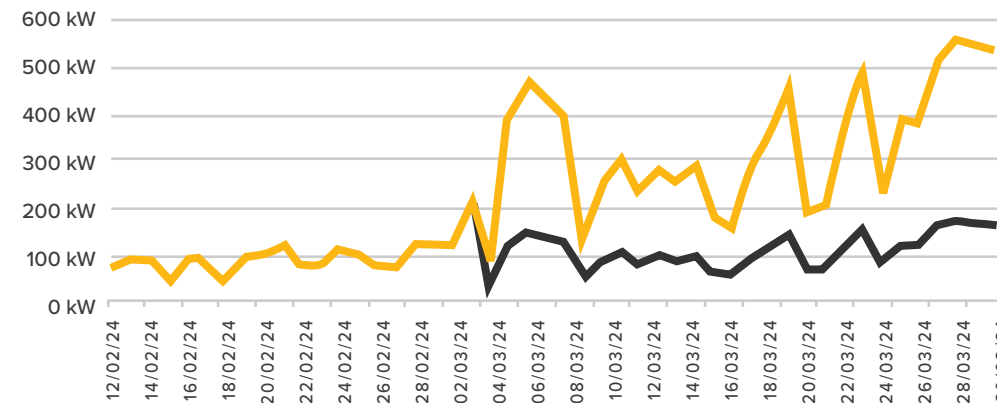


current		day	
injected current power Pac	31.96 kW	production	1.14 MWh
generator potency Pdc	35.82 kW	inject compensation	658.14 €
efficiency rate and n	89 %	specific yield	4.56 kWh/kWp
status	24x MPP	estimation	189.59 %
		Total CO2 emission avoidance	1644.88 t

After cleaning



current		day	
injected current power Pac	31.96 kW	production	1.3 MWh
generator potency Pdc	35.82 kW	inject compensation	752.83 €
efficiency rate and n	89 %	specific yield	5.22 kWh/kWp
status	24x MPP	estimation	167.9 %
		Total CO2 emission avoidance	1644.88 t



PV production

Before /After cleaning

— production without cleaning
— production with cleaning



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