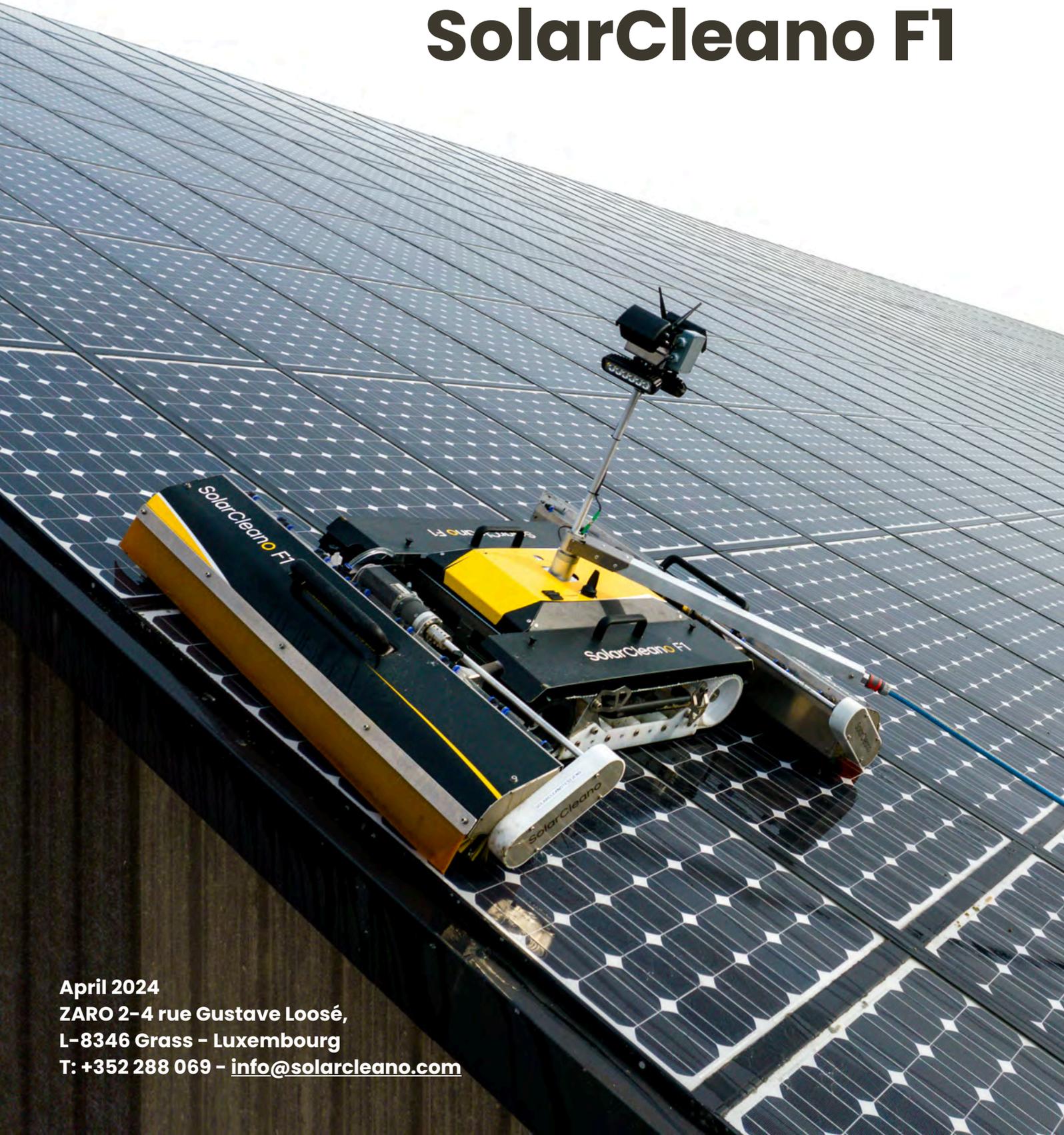


SolarCleano

developed by cleaners

Technical Data Sheet SolarCleano F1



April 2024
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Description

The SolarCleano F1 is a fast and efficient solution for cleaning solar panels. The robot has been designed to be configured and fully controlled by one worker.

- The SolarCleano F1 can be separated into 4 parts. Therefore, it can be easily assembled, transported and disassembled by one person.
- The robot is battery operated and controlled from the ground thanks to its camera.

The SolarCleano F1 is efficient on all types of solar panels and is guaranteed for 12 months. The robot is designed for all kind of installations.

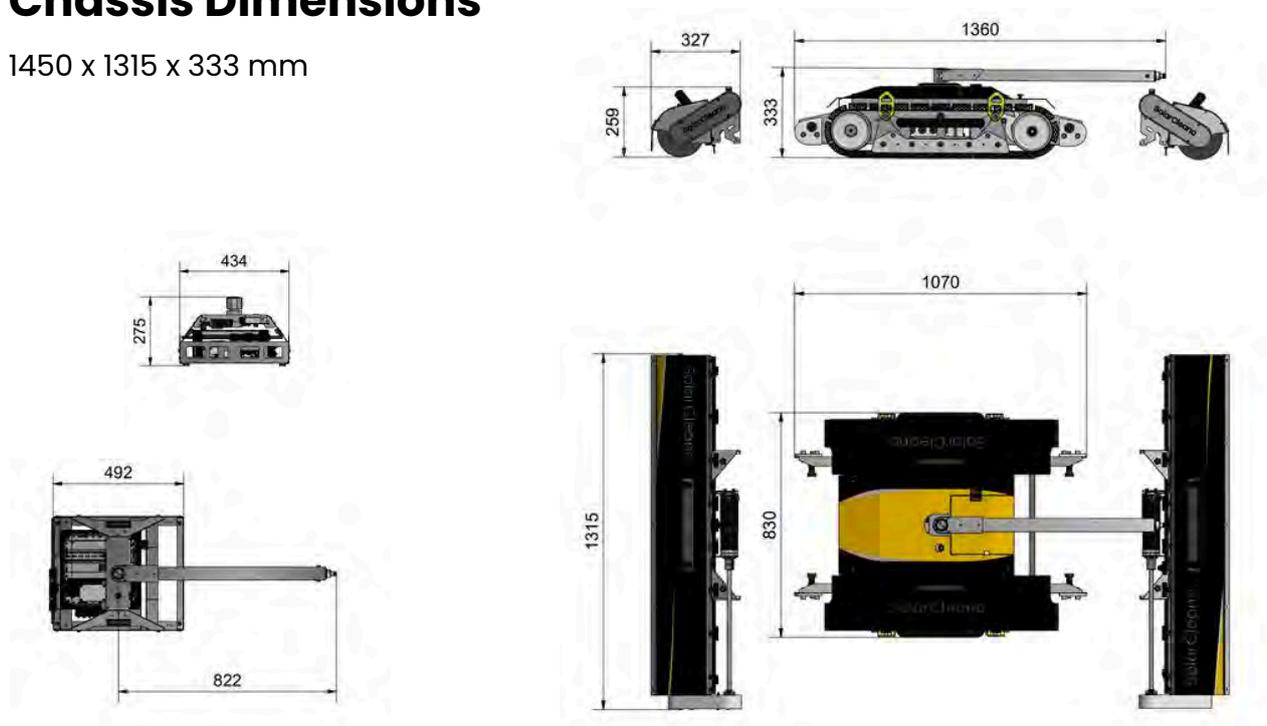
- The size of the brushes (larger than the market average: 1.1m, 1.2m or 2.2m) allows for thorough cleaning of the panel frames. The two different types of fibre and their helical shape facilitate cleaning and leave no trace. Then, the cleaned panels achieve full efficiency.
- It can perform both wet and dry cleaning.



Dimensions & Brushes

Chassis Dimensions

1450 x 1315 x 333 mm



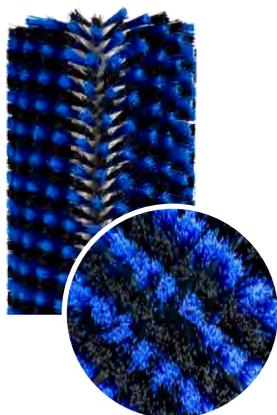
Brushes

Brush length
Brush diameter
Brush rotation speed
Motor

1.1 m, 1.2m or 2.2 m
0.17 m
180 RPM
Brushless

Types of Bristles

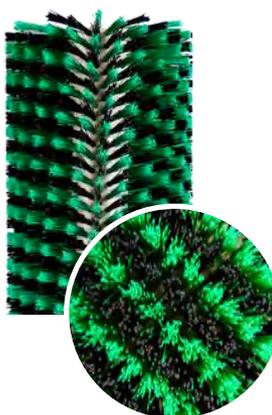
Soft



Standard



Hard



Very Hard



Other Technical Features

Weight

Total weight 80 kg

Movement system

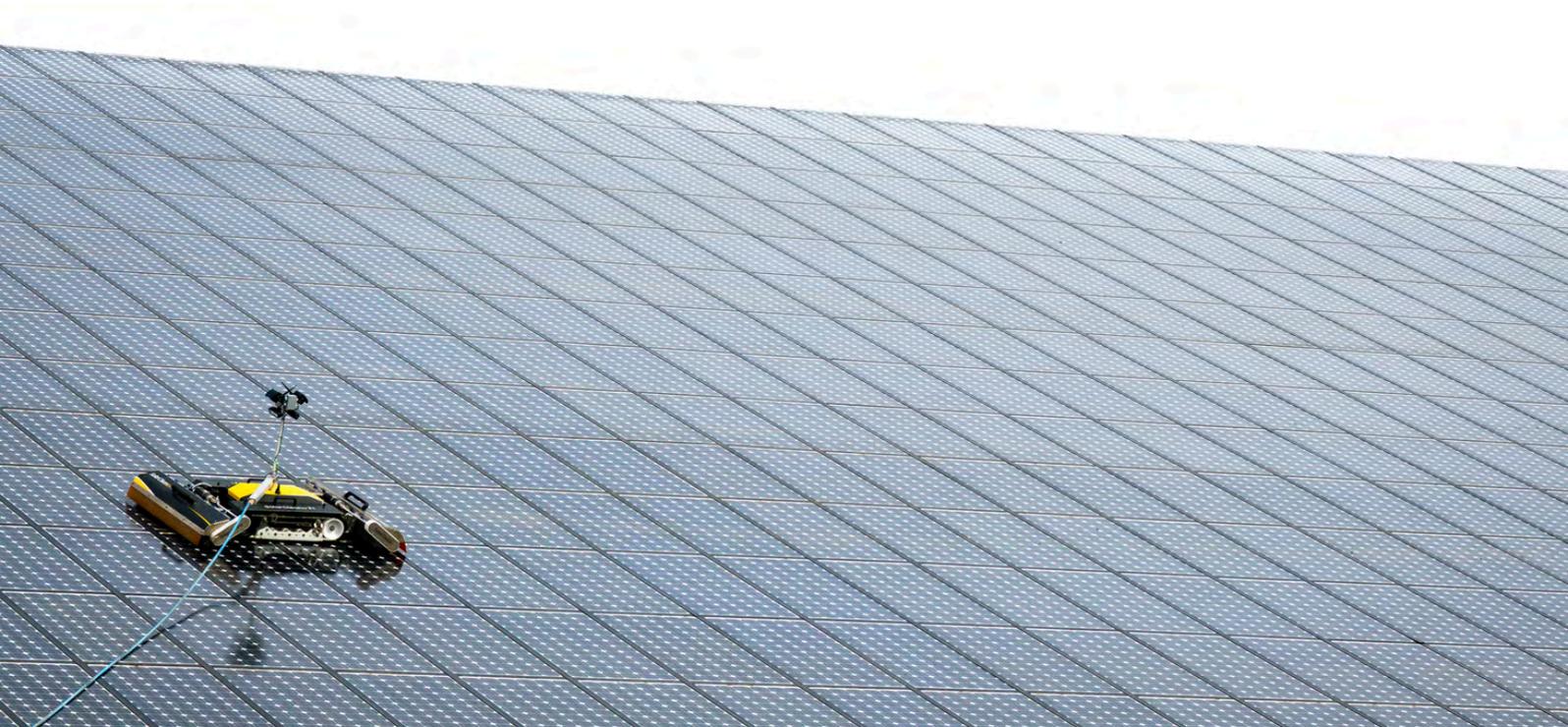
Speed Up to 40 m/min
Cleaning capacity 1120 m²/h
Climbing capacity 25° (46%)

Battery

Type Batt Lithium Ion 24V – 20Ah
Autonomy 1h45
Charger capacity 7A
Charging time 4h

Remote control

Frequency 2.4 GHz
Autonomy 24h
Max. distance 200 m
Protection rating (water) IP65



Options

Water cleaning	Yes
Camera	Yes
Lights	Yes
GPS tracker	Yes

Water

Consumption	12 L/min on average
Pressure	Max. 10 bar
Hose Diameter	Min. 13 mm

Camera

Quantity	2
Night vision	Yes
Resolution	1920 x 1080P (Full HD)
Frequency	2.4 GHz

Lights

Quantity	2
Electrical tension	24V
Protection rating (water)	IP67

