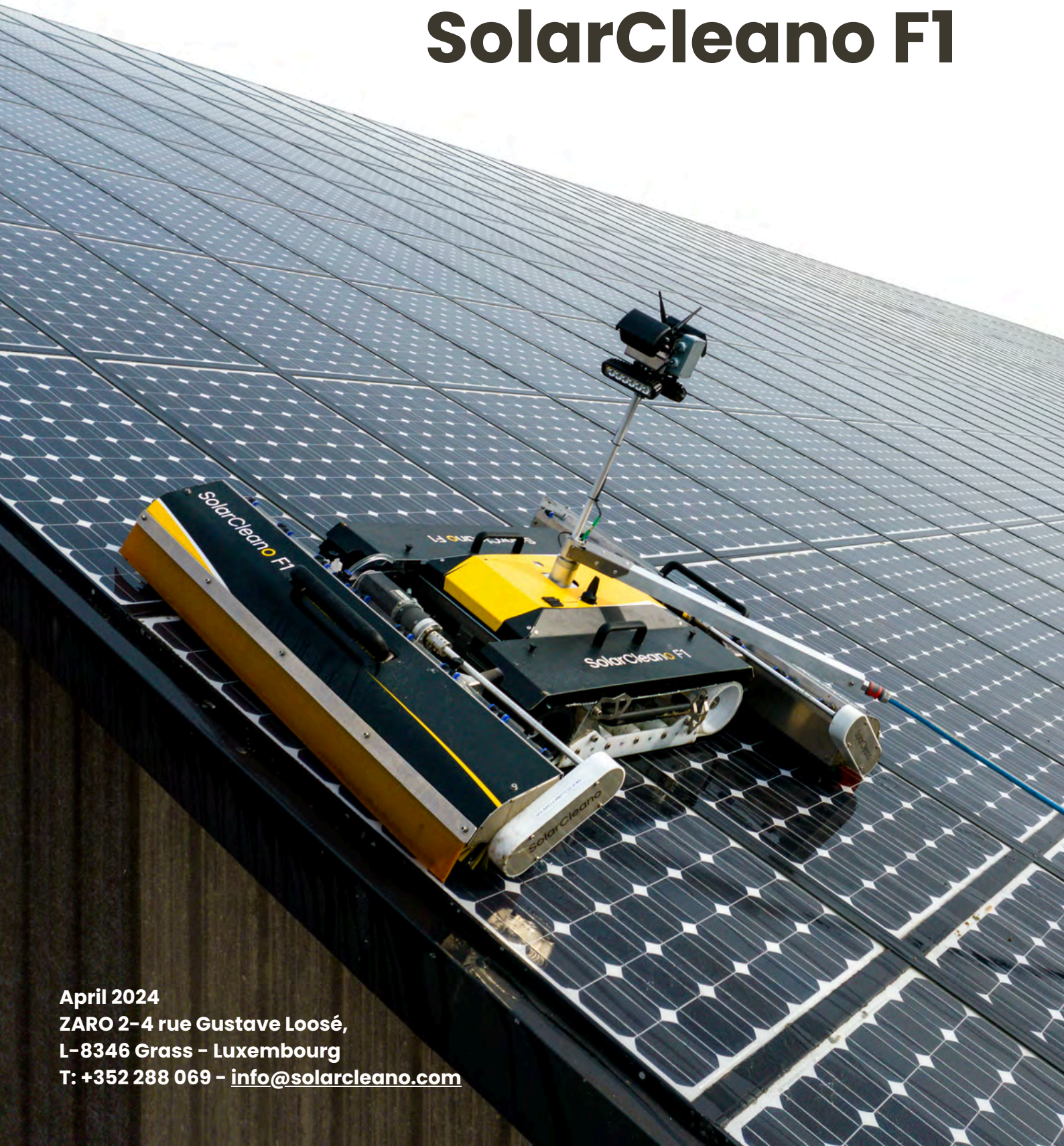


SolarCleano

developed by cleaners

Technical Data Sheet SolarCleano F1



April 2024

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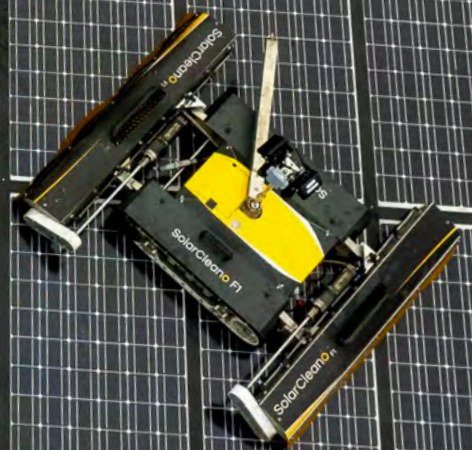
Description

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

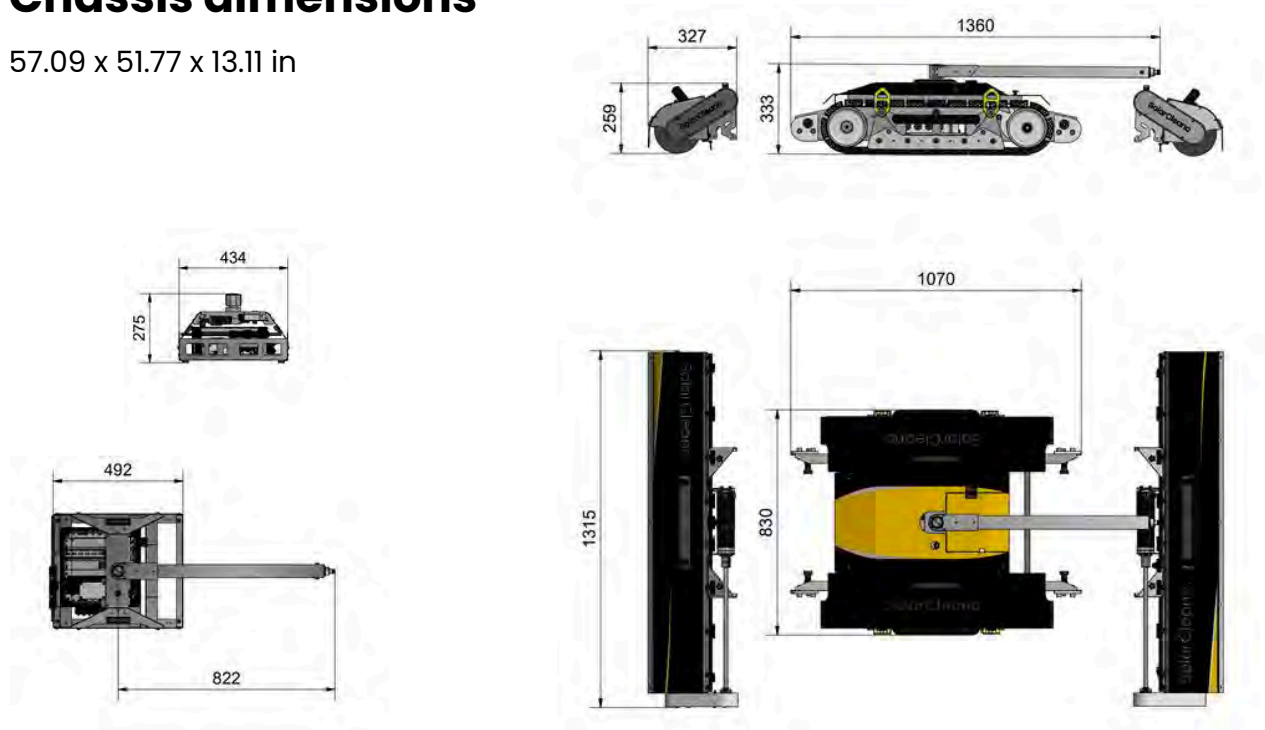
- The size of the brushes (larger than the market average: 43.31 in, 47.24 in or 86.61 in) allows for thorough cleaning of the panel frames. The two different types of fibre and their helical shape facilitate cleaning and leave no trace. Then, the cleaned panels achieve full efficiency.
- It can perform both wet and dry cleaning.



Dimensions & Brushes

Chassis dimensions

57.09 x 51.77 x 13.11 in



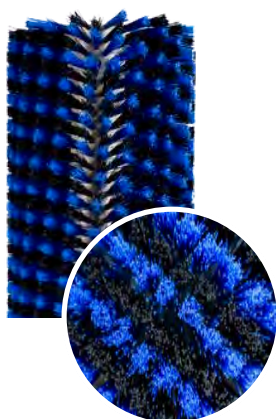
Brushes

Brush length
Brush diameter
Brush rotation speed
Motor

43.31 in, 47.24 in or 86.61 in
6.69 in
180 RPM
Brushless

Types of bristles

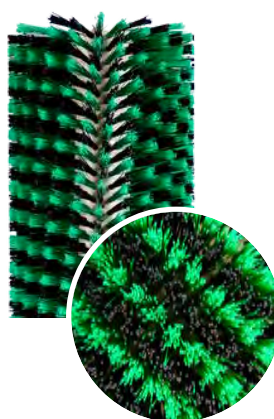
Soft



Standard



Hard



Very Hard



Other Technical Features

Weight

Total weight

176.37 lb

Movement system

Speed

Up to 131.23 ft/min

Cleaning capacity

200.93 sqft/min

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

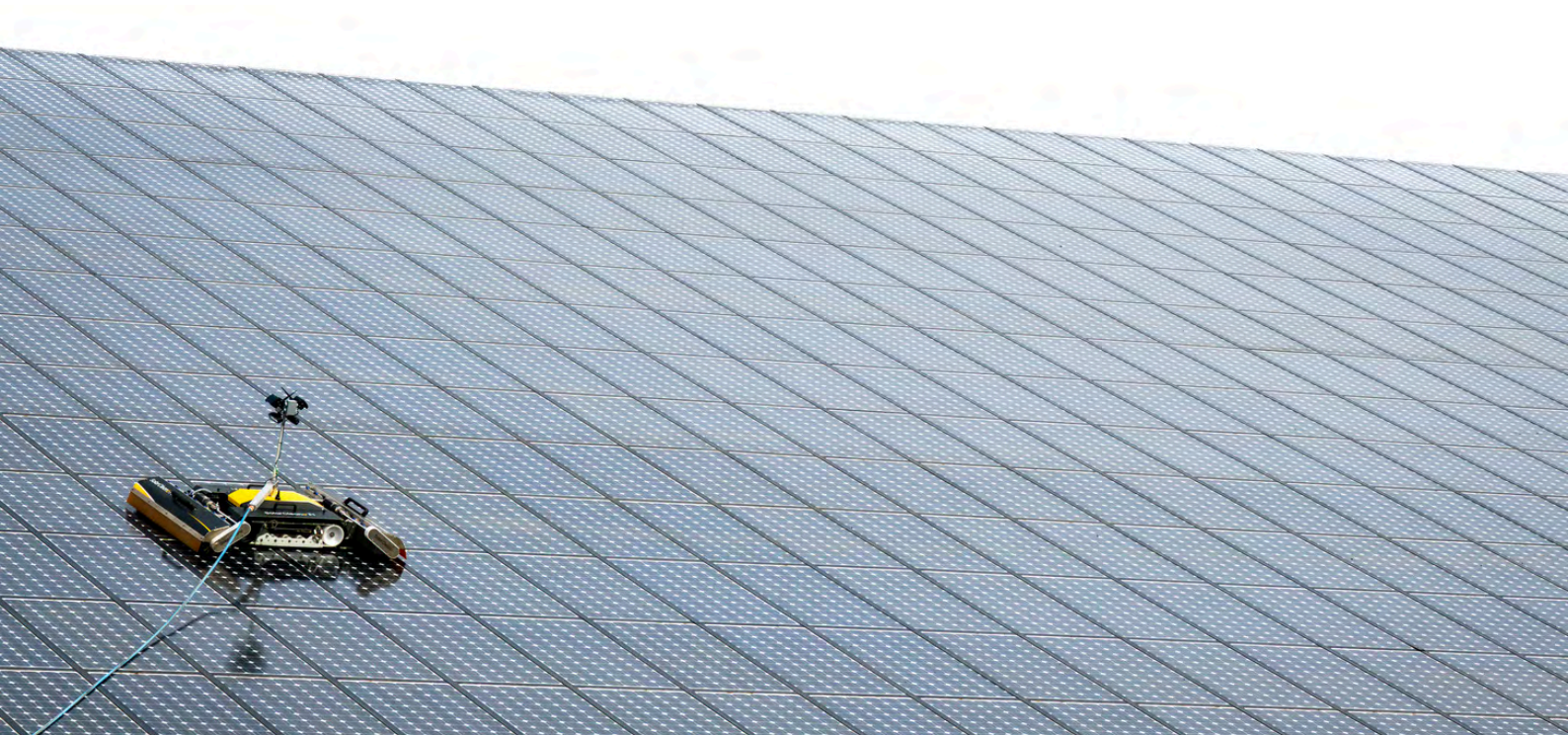
24h

Max. distance

218.72 yd

Protection rating (water)

IP65



Options

Water cleaning	Yes
Camera	Yes
Lights	Yes
GPS tracker	Yes

Water

Consumption	3.17 gal/min on average
Pressure	Max. 10 bar
Hose Diameter	Min. 0.51 in

Camera

Quantity	2
Night vision	Yes
Resolution	1920 x 1080P (Full HD)
Max. distance	218.72 yd
Frequency	2.4 GHz

Lights

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

