



Technical Data Sheet – SolarCleano **F1 V5**

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 person.

- 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.

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

- 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. Because these are usually the dirtiest. 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.

Features

SolarCleano

developed by cleaners

Dimensions

Chassis 1450 x 1300 x 350 mm

Brushes

Brush width 1.1 m, 1.2m or 2.2 m
Brush diameter 0.17 m
Brush rotation speed 180 RPM
Motor Brushless
Types of Bristles (blue, yellow, green, red) Soft, Standard, Hard, Very Hard

Weight

Weight 80 kg

Movement system

Speed Up to 40 m/min
Cleaning capacity 1120 m²/h (3 MW/day)
Climbing capacity 25° (46%)

Battery

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

Options

Water Yes
Camera Yes
Lights Yes

Water

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

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Camera

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

Remote control

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