

The logo for SolarCleano, featuring the word "SolarCleano" in a white sans-serif font with a yellow circle at the end of the "o".

SolarCleano

developed by cleaners



# Technical Data Sheet

# SolarCleano B1A

November 2025  
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# Description

The SolarCleanso BIA is a cutting-edge robotic cleaning solution designed for utility scale solar plant operations. With its advanced lidar technology, the BIA ensures full automation, intelligently tracking and adjusting to the height and tilt of solar panels for optimal cleaning performance.

Equipped with a self-adjusting brush, with extensions of up to 5 meters, it delivers an impressive cleaning capacity of 7 to 20 MW per day, all while operating smoothly and efficiently with no manual intervention.

The SolarCleanso BIA has been created for ground-based utility-scale solar panels installations and is guaranteed for 12 months.

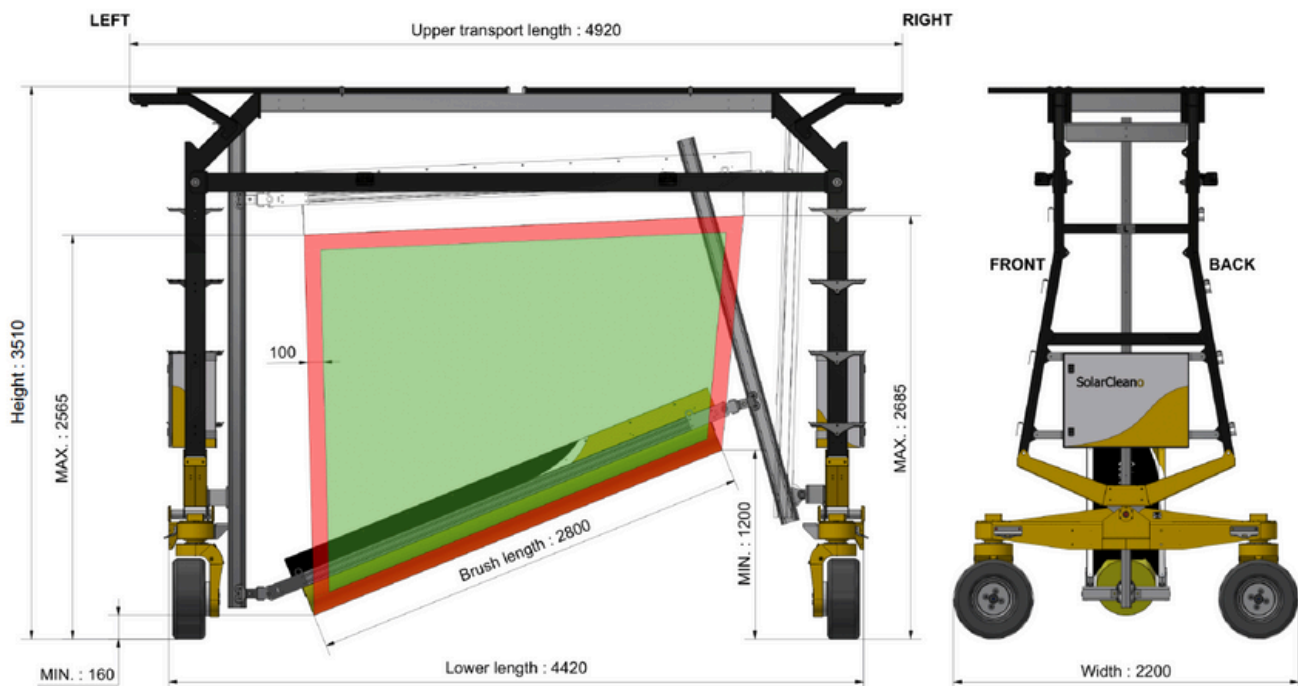
- It can perform both wet and dry cleaning.
- It is available in three different sizes to accommodate various panel row configurations.
- It is battery-powered.



# B1A S - Dimensions & Brush

## Chassis Dimensions

4920 x 2200 x 3510 mm



## Brush

Brush length

2.8 m

Brush inclination

-10° to 36° (-17.6% to 72.65%)

Pressure on panels

Adjustable

## Type of Bristles

Bristle adapted to your cleaning needs

## Weight

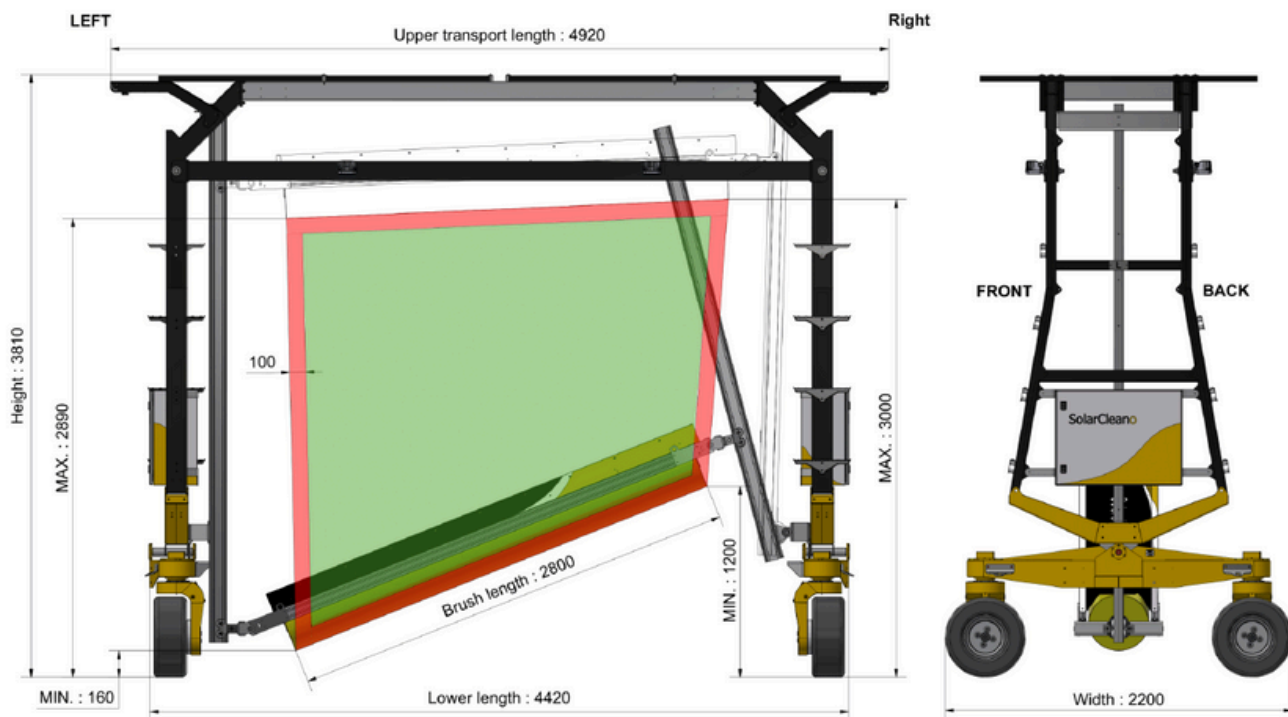
Total weight

1150 kg

# B1A M – Dimensions & Brush

## Chassis Dimensions

4920 x 2200 x 3810 mm



## Brush

Brush length

2.8 m

Brush inclination

-10° to 35° (-17.6% to 70%)

Pressure on panels

Adjustable

## Type of Bristles

Bristle adapted to your cleaning needs

## Weight

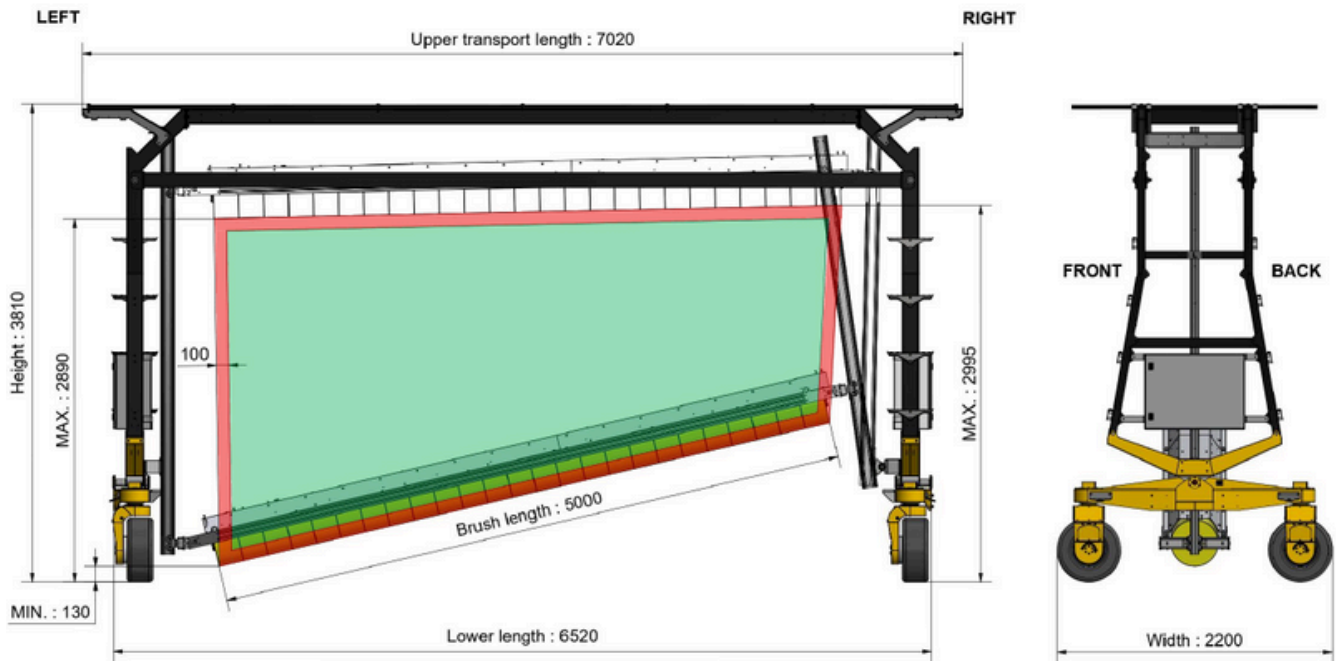
Total weight

1150 kg

# B1A L – Dimensions & Brush

## Chassis Dimensions

7020 x 2200 x 3810 mm



## Brush

Brush length  
Brush inclination  
Pressure on panels

5 m  
-10° to 32° (-17.6% to 62.5%)  
Adjustable

## Type of Bristles

Bristle adapted to your cleaning needs

## Weight

Total weight

1250 kg

# Other Technical Features

## Movement system

Speed	Up to 40 m/min
Cleaning capacity	7-20 MW/day
Wheels rotation	360°
Types of tires	All terrain wheels

## Battery

Quantity	6
Autonomy	7-10h
Charger capacity	30A

## Additional features

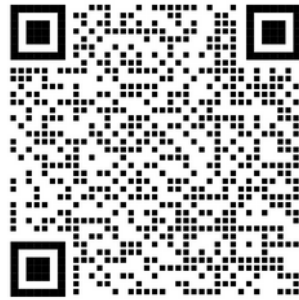
Wet & Dry Cleaning	Yes
Solar panels	Yes
Lights	4 LED lights
Smart display for real-time monitoring	Tri-color status LED

## Water

Consumption	0.5 L/m <sup>2</sup>
Pressure	3-8 bar
Hose Diameter	13-15 mm

## Condition of use

Protection rating (water)	IP65
Storage temperature	-15° to 55° C
Working temperature	-10° to 50° C



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