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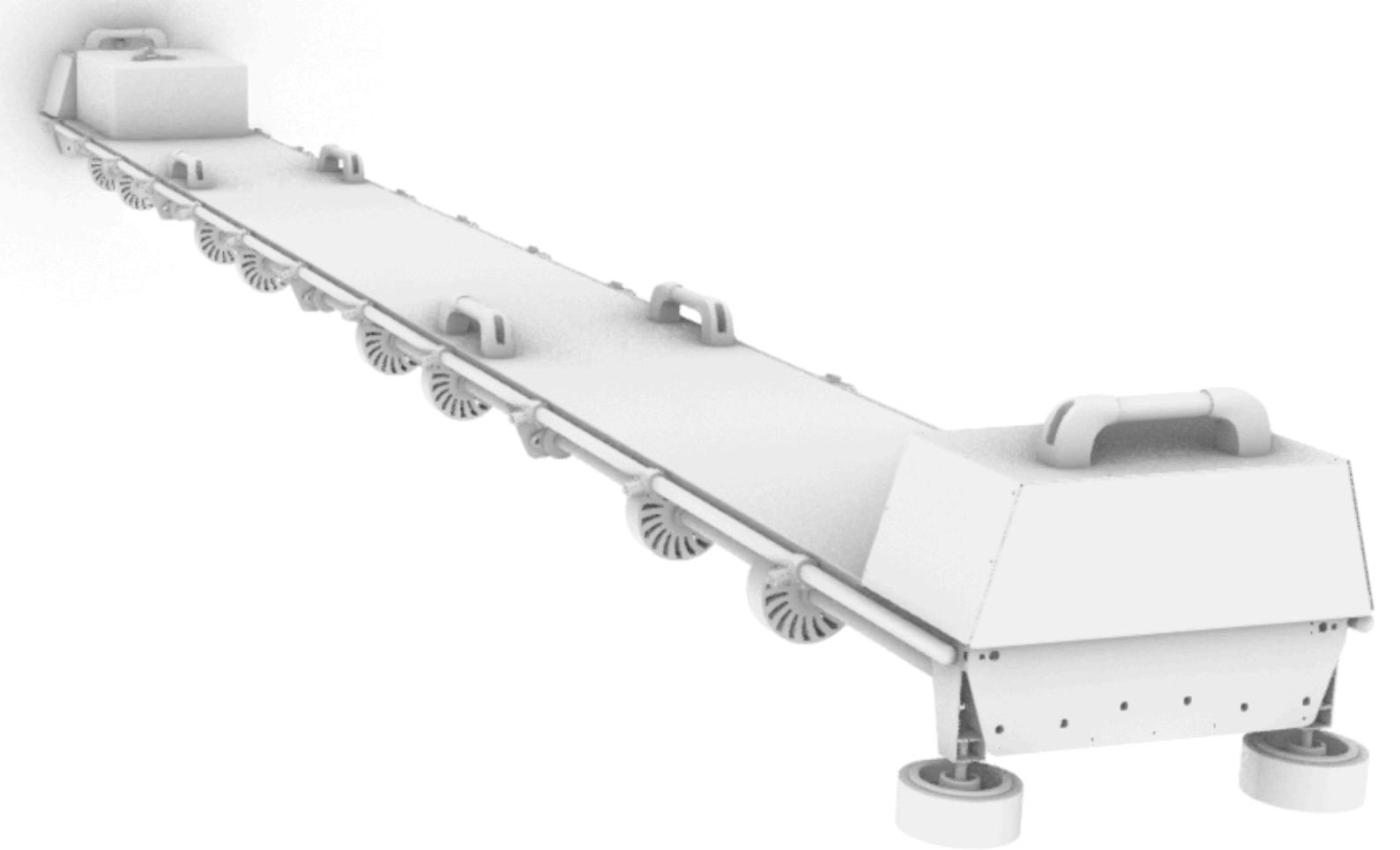
ecopak

ECP-400

GROUND MOUNTED SOLAR POWER PLANT CLEANING ROBOT



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ECP-400

Developed with Eco-tron assurance, the Ecp 400 is a single-axis solar panel cleaning robot capable of both dry and wet cleaning.
The Ecp 400 is ideal for manual or semi-automatic use scenarios in medium and large-scale power plants. While it saves energy in dry cleaning mode, it easily cleans more stubborn dirt with the wet cleaning option.
Distinguished by its ease of installation, maintenance advantages, and high cleaning efficiency, the Ecp 400 is an economical and powerful solution for businesses that want to improve solar panel performance.
The Ecp-400 can be produced in variable sizes to suit the panel dimensions of your solar power plant.

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FEATURES



ECP-400

70 kg

400 cm

20 m/min

4800 m²/h

+3 hour

RC

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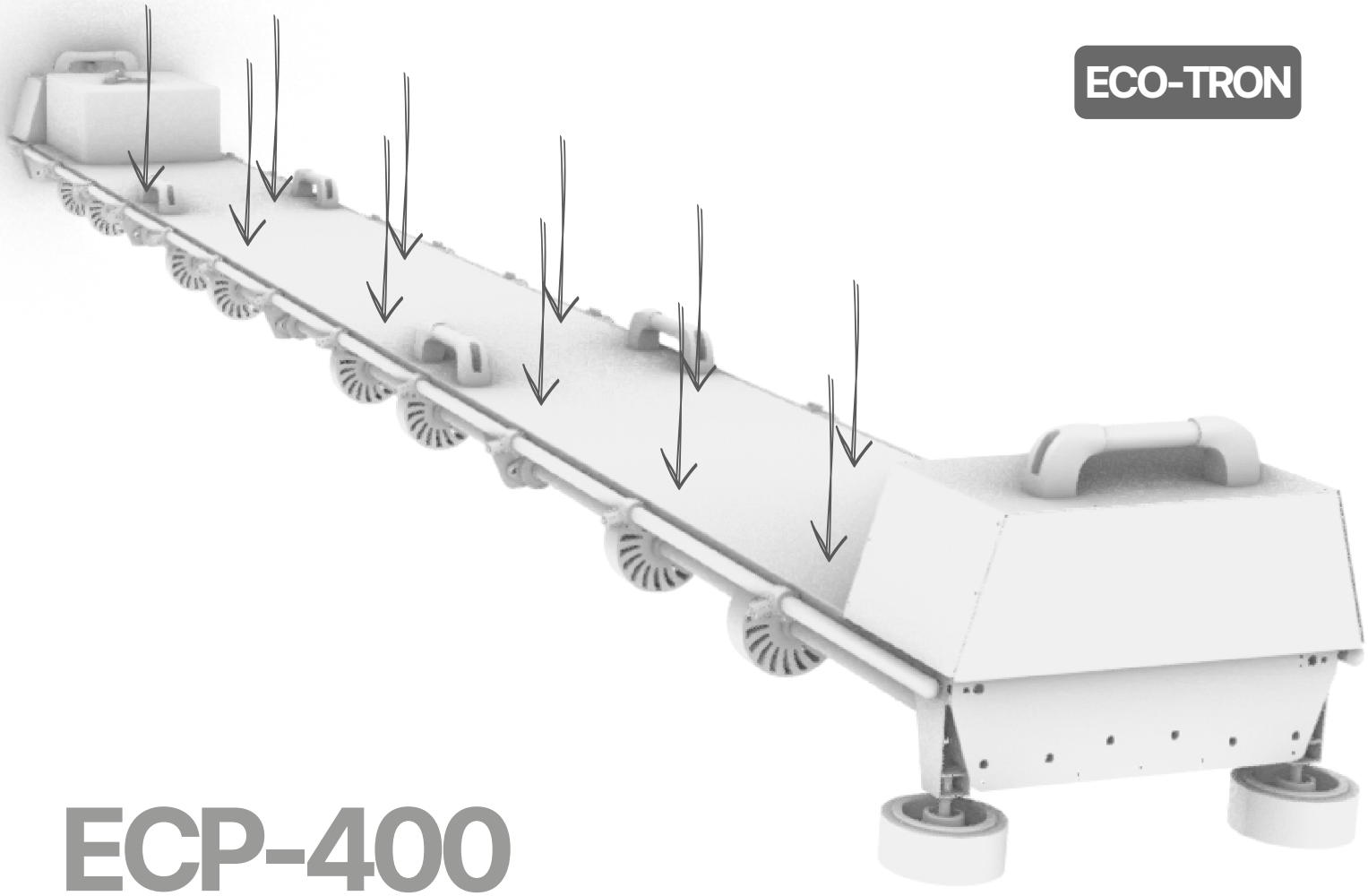

ECP-400

WEIGHT & PRESSURE VALUES

The ECP-400 model, weighing 70 kg, distributes pressure over a wide area by contacting the panel surface with its 16 soft wheels and 400 cm brush.

This area allows the device to apply a total pressure of 1900 Pascals to the panel surface during operation.

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POWER VALUES

With its powerful 24V 40A battery, it provides a minimum of 3 hours of operation at optimum speeds.

350 watt motor power

400 rpm brush speed

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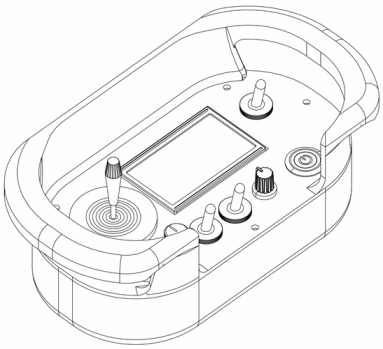
CONTROL OPTIONS



Remote Control



Android Phone

For safe use, it is recommended that robots be used from a maximum distance of 20m.

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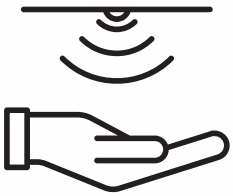
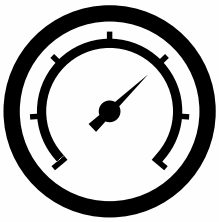
OPERATIONAL INFORMATION



Thanks to its gap detection sensor, the robot stops within 3 cm of any gap it detects. This prevents the robot from falling off roofs or panels, minimizing the risk of accidents.



To ensure efficient washing, it is recommended that the robot's water inlet compartment be supplied with purified water at a pressure of at least 4 bar.

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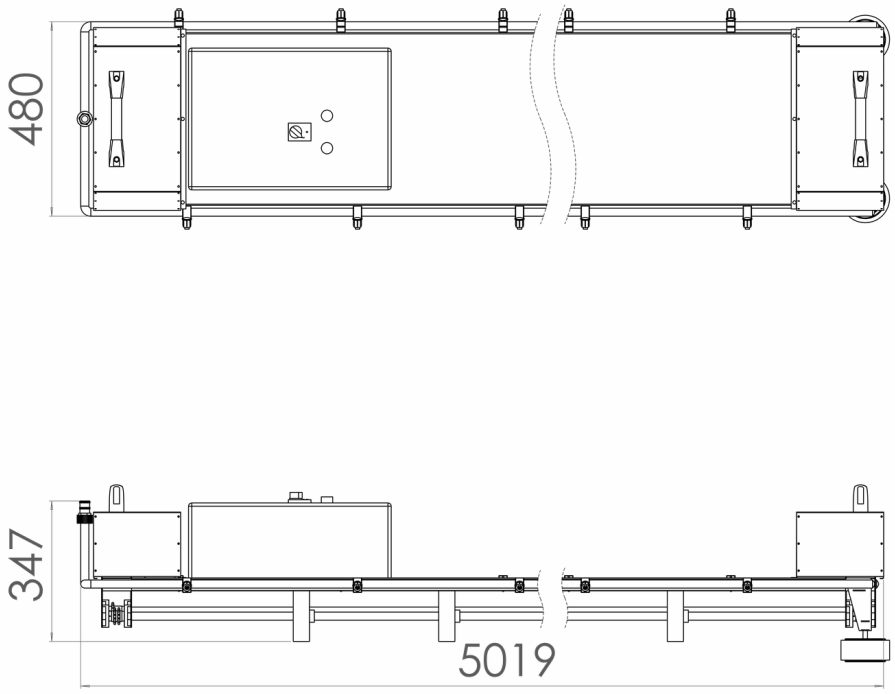
DIMENSIONS



The example dimensions are for the 480 cm brush model of the ECP-400 series.

The ECP-400 can be manufactured in varying sizes according to the dimensions of your site.

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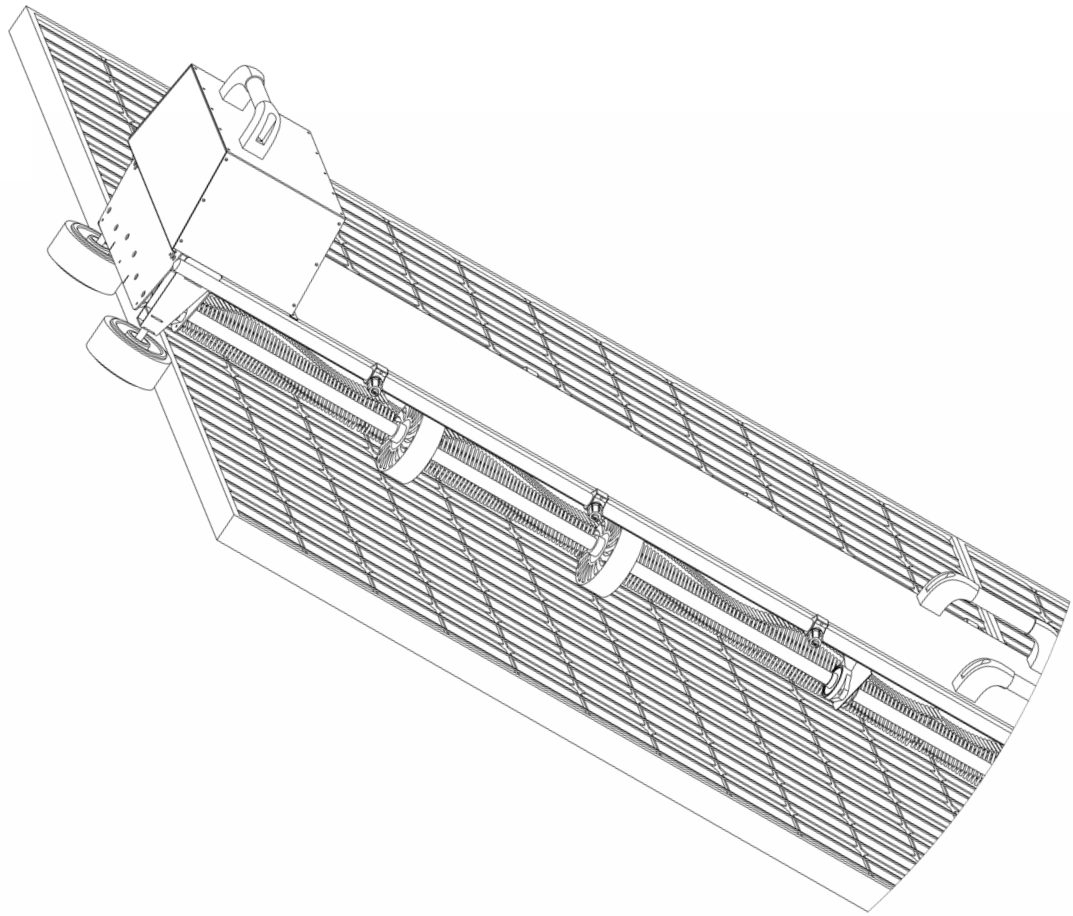
WORKING ANGLE



Thanks to its ECP-400 wheel system, it allows for effortless cleaning even on inclines of up to 45°.

CONTACT US

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