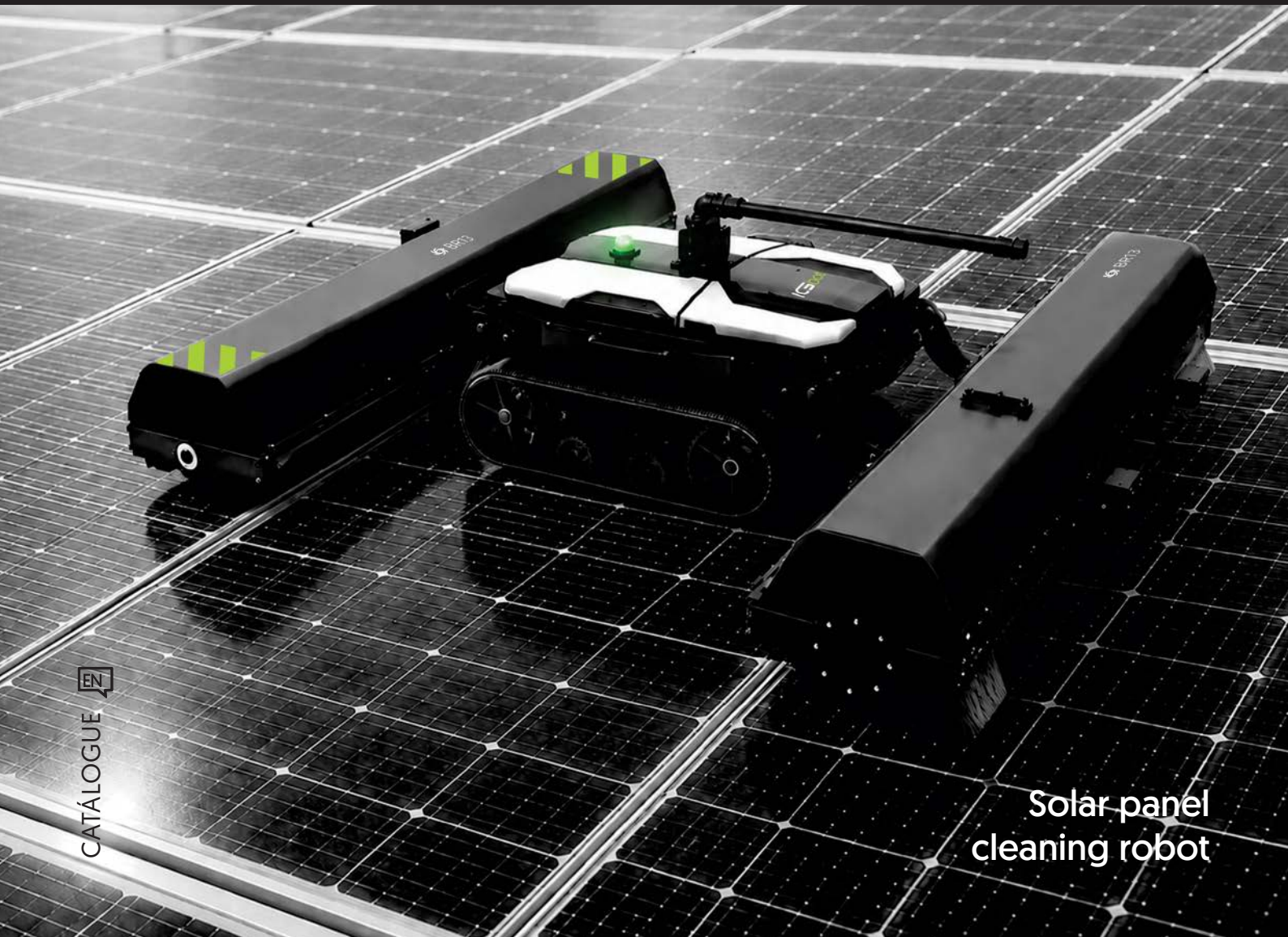
SR1

IGbot



CATÁLOGUE EN

Solar panel
cleaning robot

Solar panel cleaning robot

The **SR1** robot represents a **new generation of robotic solutions** designed for the professional cleaning of photovoltaic installations.

Designed to operate directly on **large areas of solar panels**, it combines **mobility, cleaning performance, and operational control** in a system conceived **to improve productivity and reduce manual intervention**. It is the **perfect tool for cleaning solar panels**, effectively removing dirt using **two nanofiber brushes** without damaging the **panel surface**.

Its movement technology uses **tracked drive systems** that operate on panel surfaces with **inclinations of up to 25°. Anti-fall positioning sensors** enable **controlled movement**, while a **rechargeable battery** provides complete autonomy, with **up to 6 hours of operating time.**

The SR1 weighs just 20 kg, making it **ideal for transporting** to hard-to-access installations.

REMOTE CONTROL

RECHARGEABLE BATTERY

MECHANICAL BRUSHING

TILT MAX 25°

WATER INJECTION



Why SR1?

• **Wide-area cleaning:** its two brushing modules provide an effective cleaning width of 1,300 mm.
• **Panel-specific brushing:** the nanofibre brushes work in conjunction with water spray to clean the surface of the modules.
• **Remote control:** allows all the robot's functions to be operated, with a stated range of up to 300 m.
• **Controlled movement:** the drive tracks, three speed settings and anti-fall ultrasonic sensors facilitate operation.
• **Autonomy for full working days:** removable lithium battery with a stated runtime of 6 to 8 hours.
• **Easy to transport:** the robot weighs 20 kg without brushes.
• **Cleaning area:** 1,500 m² of solar panels per hour.

Applications

The SR1 is designed for the professional cleaning of photovoltaic modules in:
• Solar farms and other installations with large areas of panels.
• Routine maintenance work where the aim is to minimise manual intervention on the modules.



Discover SR1





Remote control

TECHNICAL FEATURES

Effective Cleaning Width	1300 mm
Cleaning Performance	1000 - 1800 m^2/h
Maximum Speed Available Speeds	48 m/min 12 / 24 / 48 m/min
Cleaning Method	Dry and wet
Brush Bristle Material	PBT
Brush Rotation Speed	350 rpm
Maximum Working Angle	≤ 25º
Fall Protection	By ultrasonic sensors
Maximum Water Consumption	7 L/min
Protection Rating	IP65
Remote Control Range	300 m
Operating Time	6 - 8 hours
Charging Time	3 - 4 hours
Power supply Battery Capacity	Lithium battery [24 V] 40 Ah
Dimensions [L x W x H]	1493 x 1134 x 320 mm 58.77 x 44.64 x 12.59 in
Weight [without battery]	20 kg / 44, lb
Weight of Each Brush	10 kg / 22, lb

IGbot

industrial
cleaning
solutions

Would you like to see how **SR1** can transform the way you clean?

Talk to our experts:
we'll explain everything you need to know to make the best decision.

Visit us at:
ICSindustry.net

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