

Welcome to the AI-Powered Solar Cleaning Robot Revolution.

PLECO™ autonomous, water-free, lightweight cleaning robots are transforming solar productivity for Commercial and Industrial (C&I) roof installations.



Boost yields up to 30%

PLECO™ completely removes dirt and dust build-up on solar panel surfaces - dramatically increasing electricity production.

1 robot = up to 400 KWp per day

PLECO's cleaning coverage (40 KW/hr) and operational simplicity boosts cleaning productivity.

Rapid ROI

Typically, an operator can handle a fleet of 4 PLECO™ robots that can clean 1 MWp per day and achieve ROI in approx. 3 months.

Support inclination up to 45 degrees

Equipped with unique artificial gravitation system, PLECO™ lets you safely clean C&I roofs- up to 45 degrees inclination.

Clean more, with less effort

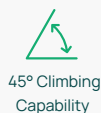
Ultra light (20 Kg), PLECO™ can be easily carried by one person and instantly deployed - without the need to dismantle and reassemble.

Clean without wasting water

Water-free cleaning isn't just environmentally-friendly. It eliminates the need for treated water, and delivers superior cleaning results, without residues or scaling.

Not All Solar Cleaning Robots Are Created Equal

PLECO™ is packed with cutting-edge technology and innovative features, enabling the most efficient C&I cleaning solution ever!



Fully Autonomous Solution



Water-Free Cleaning



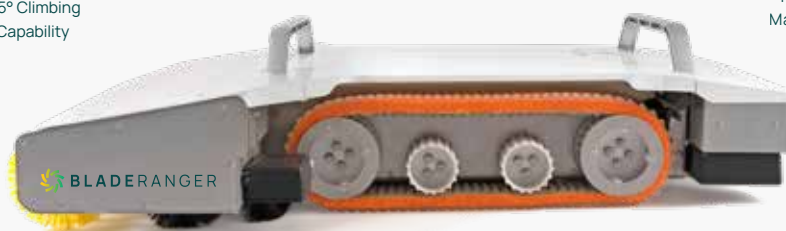
Ultra Light Weight



Preventive Maintenance



Cost Effective Operation



Transform Your Solar Panel Cleaning Operations for C&I.

PLECO™ lets you handle C&I solar panel cleaning tasks, even in extreme conditions – safely, efficiently and cost-effectively



How PLECO™ robots maximize your profit & productivity

PLECO™ autonomous robots quickly become the star performers in your solar panel cleaning team.



Increase profit by maximizing solar energy production through more frequent panel cleaning.



Clean more panels per day with your existing crew and operational resources.



Replaces manual cleaning in high-risk situations – keeping your human teams safe.



Improve efficiency of energy production by up to 30% with regular solar panel cleaning.



Lightweight and easy-to-use for your cleaning team.



Easily adopt sustainable practices with 100% water-free panel cleaning.

PLECO™ Ground-breaking Specifications.

Weight:	20 kg
Speed:	25 cm per sec
Cleaning capacity:	200 m ² (up to 40 KW) per hour
Maximum inclination:	45 degrees
Battery working time:	3-5 hours
Daily capacity:	100-200 KW per day with one battery, inclination dependent
Battery recharge time:	3 hours
Warranty:	12 months

What do we mean by fully autonomous?

Powered by advanced computer vision, the PLECO™ robot is completely self-driving. Once placed on the panel surface, the robot autonomously follows the matrix of the panel cells, without the need for operator control. Our unique artificial gravitation system prevents slippage.

We Are Blade, The Solar Optimization Company.

The sun is our best source of safe, renewable energy. At Blade, we develop AI Robotics Technologies that help the solar industry generate cleaner, sustainable and profitable solar power while safeguarding human life, and minimizing environmental impact.



Join the future of sustainable solar cleaning robotics today.

For more details please contact : Info@bladeranger.com | www.bladeranger.com