



BrightBots
PRIVATE LIMITED



SOL CLEANTM ROBOTIC CLEANERS

THE FUTURE OF AUTOMATED AI CLEANING

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SOLCLEAN™

Offers a smart, adaptable approach to solar panel maintenance. With its customizable design and self-powered charging, it eliminates the need for external energy sources.

Featuring a durable nylon brush and 125mm wheels rotating at 200 RPM, this system delivers efficient cleaning of solar panels. Its 5mm point touch and precision transmission ensure optimal performance and seamless movement across surfaces.

This waterless solution conserves 3,600 liters per cycle while safeguarding solar panels from damage. It mitigates pollution and curbs vegetation growth, enhancing energy efficiency and setting a new benchmark for sustainable maintenance.

Driven by a LiFePO4 battery and a self-replenishing solar module, this system efficiently covers 4 km per cleaning cycle with minimal recharging. In-house batteries undergo rigorous quality assurance and safety testing to ensure peak performance.

END-TO-END SOLUTION

Proudly Made in India, our system integrates in-house hardware, firmware, and software. Powered by advanced SCADA technology, it delivers optimal performance and seamless integration, with global monitoring accessible via an intuitive web portal for real-time oversight.



AUTONOMOUS CLEANING

Employs cutting-edge technology for fully autonomous cleaning.



IOT-ENHANCED EFFICIENCY

Advanced IoT infrastructure for real-time monitoring and optimization.



RAPID SPEED

Achieves cleaning speeds of 13-15 meters per minute.



INNOVATIVE SOLUTION

Revolutionizes solar maintenance through automation.



DESIGN & DURABILITY



BODY COVER

Engineered from robust aluminium boxes, the top and body cover seamlessly combine a light-weight design with outstanding durability and anti-aging properties. The streamlined aluminum structure enhances resilience while significantly reducing wind resistance



DRIVING TUBE

Manufactured with special grade stainless steel, it ensures exceptional corrosion resistance, guaranteeing long-term performance.



Guide Wheels:

Manufactured in-house from advanced polyurethane, these wheels provide exceptional durability and seamless operation.



DROP/WIND RESISTANCE HOOKS

Equipped with advanced solenoid actuator locking, these hooks provide a reliable safeguard against movement in high winds.



FRONT & SIDE DRIVING WHEELS:

Also composed of enhanced polyurethane, these wheels ensure dependable traction and longevity for optimal operational efficiency