

Sweeper-66 AUTOMATIC CLEANING ROBOT

PROPERTIES OF PRODUCTS

Automatic visual control, software OTA upgrade, APP interaction (Android, Apple), APP self-built map planning and operation; Real-time log, fault alarm, continuous scanning after adding water, remote control assistance, night operation.



PRODUCT FUNCTION

Array Cleaning Path Planning

The robot automatically identifies the array type and component size, and independently plans the cleaning path to ensure cleaning effect and operation.

Intelligent Anti-skid and Anti-fall Technology

Through the joint design of structure, sensors and intelligent control, it ensures stable walking on smooth slopes and array edges. During long-term testing, there is no risk of slipping.

High Panel Cleaning Rate

Through intelligent floating cleaning technology and Optimized design of cleaning routes, dust on the surface of component panels is cleaned in layers to ensure full panel cleaning coverage and a cleaning rate of over 98%.

Inherently Lightweight, Damage-free Panel

Structural depth optimization and lightweight design, the net weight is controlled within 28kg, and long-term operation has no damage to the panel through third-party testing.

Modular Design

The fuselage, cleaning head, battery and water tank can be disassembled and installed quickly, making it easy to transport and carry the equipment.

Night Vision Function

By optimizing the lighting system and vision system, the robot can operate at night, which greatly improves operating efficiency.

DEVICE POWER SUPPLY

- Full Battery Life: 6h Quick replacement of backup battery
- Charging Time: 5h Battery removed for charging Compatible with EU and JP standards

EQUIPMENT WATER SOURCE

- Add Water Method: Quickly plug and unplug the water tank to replace the spare water tank
- Water Battery Life: Normally 1 hour. Adjusted according to the degree of pollution

CLEANING ABILITY

- Cleaning Efficiency: Max 300m²/h About 350KW/Day Cleaning Capacity
- Clean Contaminants: Floating dust and dust accumulation, use neutral detergent to clean light and medium oil stains
- Human Assistance: Manage ≥3 units/person, change water, change electricity, etc

WORKING ENVIRONMENT

- Ambient Temperature: 5~30°C; Component Temperature: 5~50°C;
- Protection Level: IP55
- Optimal operating time: Recommended in the morning, evening, or cloudy and drizzle weather

TECHNICAL PARAMETER

Product Weight	28kg
Water Tank Volume	8L
Battery Parameters	25.2V 25.6AH

Product Size	720*720*210mm
Roller Brush Length	666mm
Battery Type	Ternary lithium battery

OPERATING CONDITIONS

- Operating Inclination: Regular model 0-20°
- Power Plant Type: Flat ground solar station; cement roof, color steel tile photovoltaic power station
- Component Type: Conventional aluminum frame components