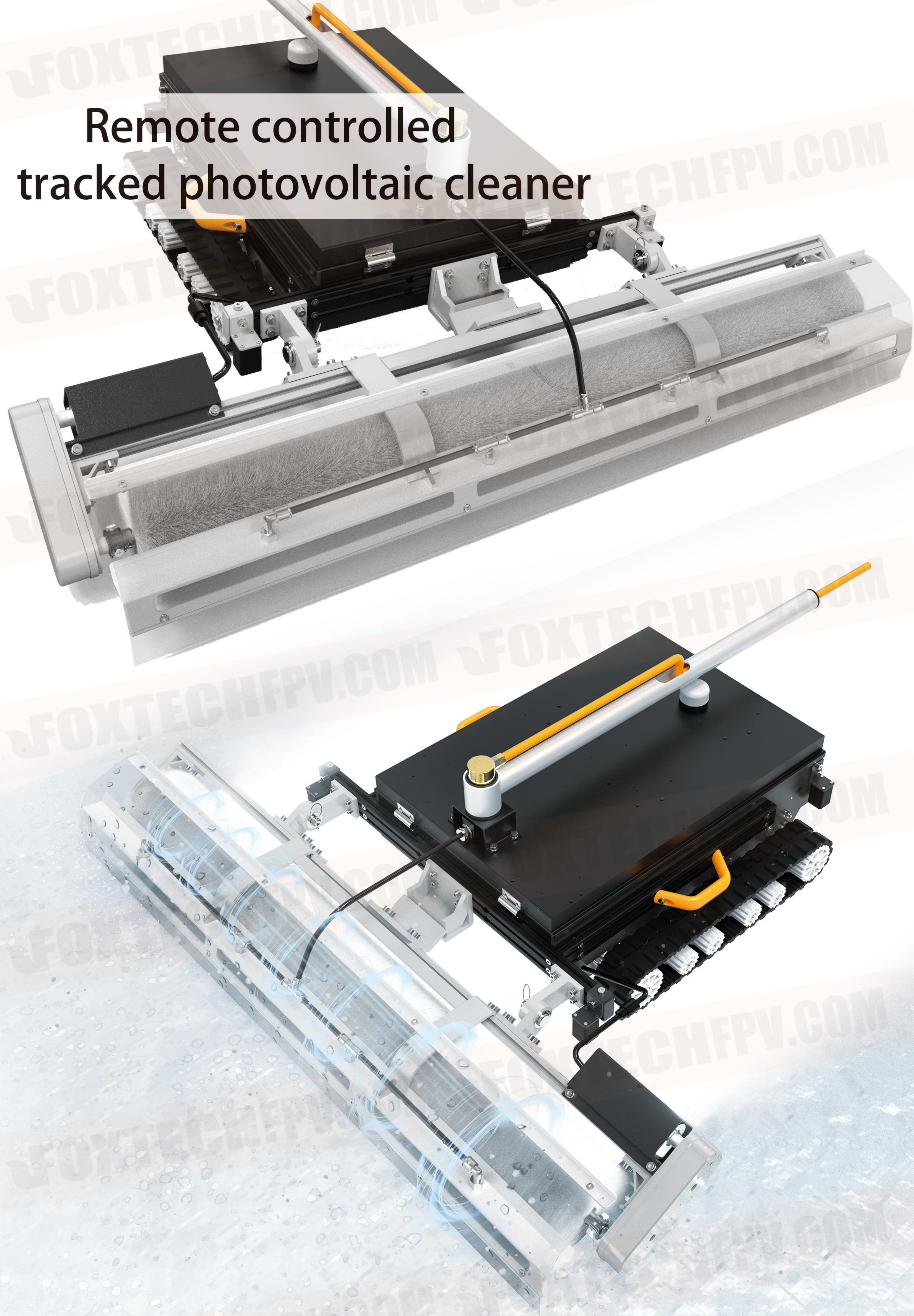
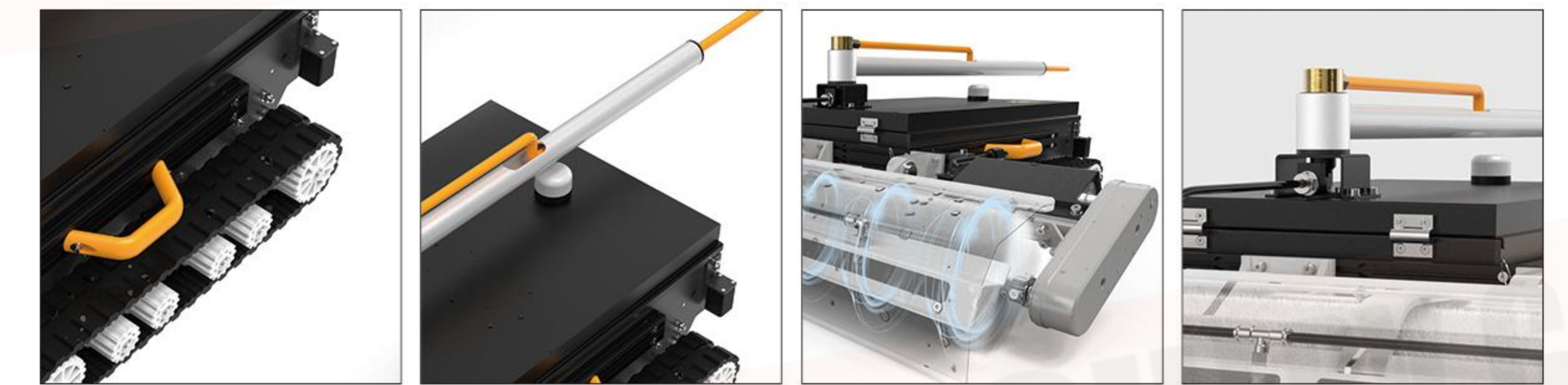
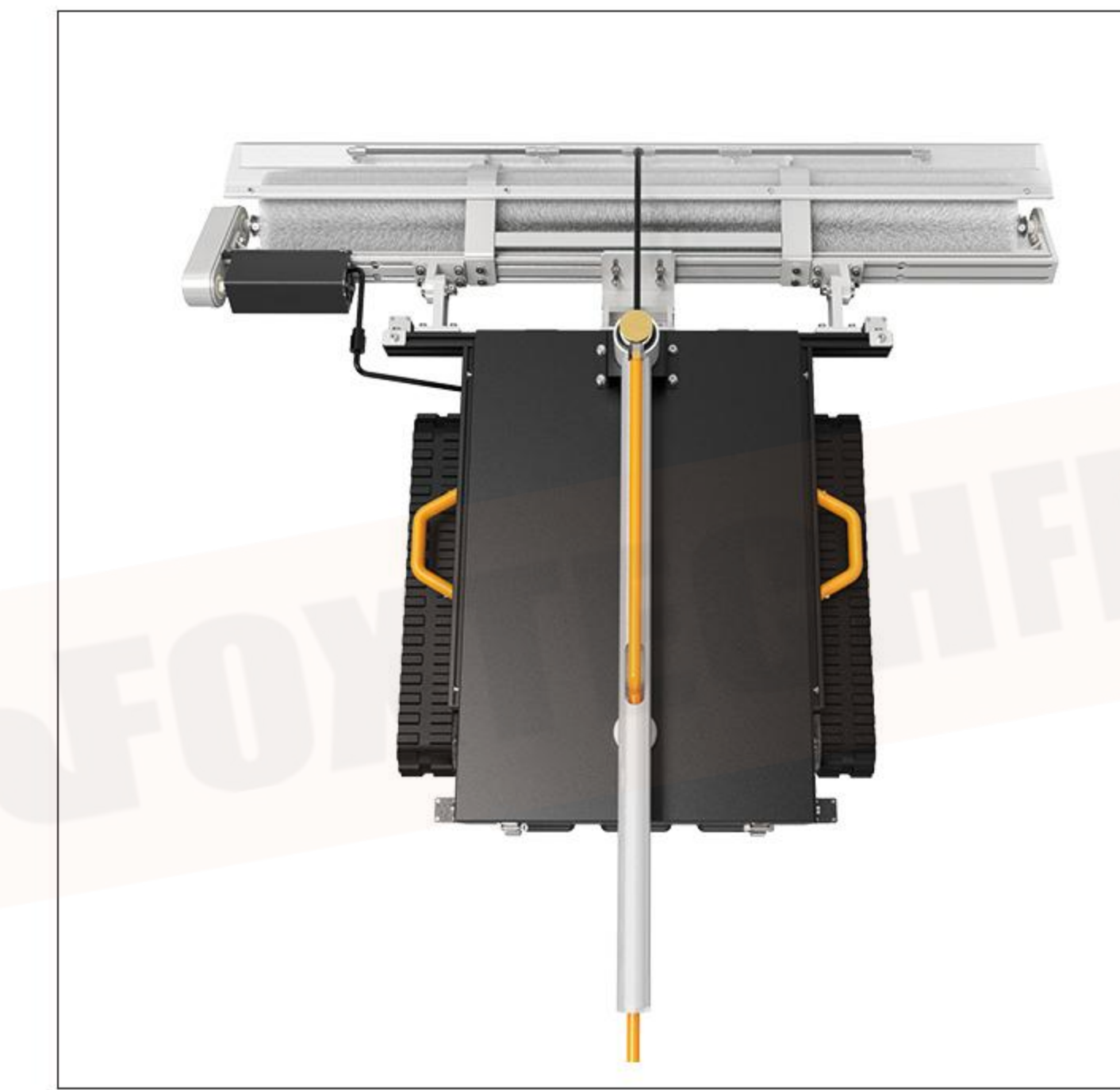


Remote controlled tracked photovoltaic cleaner



Sweeper-110 tracked photovoltaic cleaner

Focusing on solving the environment where people can't stand or telescopic pole type can't be cleaned, the robot can be used for remote control cleaning, which is a special cleaning equipment designed, developed and manufactured according to the special environment of China's photovoltaic power station.



- 1 Tracked chassis for all-terrain operation**
Under the control of the remote control, the robot can realize forward, backward, left and right turns and other actions, so as to realize walking in any direction on the photovoltaic panels, and carry out all-round and dead-angle-free cleaning operations.
- 2 Motorized roller brush for washing and dry cleaning**
The front end of the robot is equipped with a rotating cleaning roller brush, and the upper end of the roller brush is installed with a water spray nozzle, the combination of which realizes the efficient cleaning of PV panels.
- 3 150 meters remote control cleaning**
The robot adopts long-distance wireless remote control method, the control distance is up to 150 meters, the use of more flexible.
- 4 Cleans about 1.2mw a day**

5 Anti-fall function

Omnidirectional fall prevention sensor, cleaning car in the remote control traveling to the edge of the photovoltaic panels, the sensor detects no obstruction, triggering the instruction to stop Forward / Backward; (at this time the red warning light above the car body is always on; at the same time, the cleaning car can only be run in the opposite direction, the cleaning car will be remotely controlled to the photovoltaic panels in the safe area before the back and forth, left and right movement)

The mounting gap between each PV panel (around 2cm) is naturally filtered and does not trigger a stop during normal passage.

6 Active shielding of sensors

Across the spacing function: between each array of photovoltaic panels, when there is a 10-15cm spacing visually, you can long push the shielding function handle on the upper left of the remote control, and then manipulate the rocker to make the cleaning vehicle pass through this spacing, then you can loose the shielding function handle.

7 Indicator light function

① ultrasonic sensor to the edge of the trigger, the red warning light is always on ② low battery (battery voltage <21 volts), the red warning light flashes slowly (about 1 second 1 time) ③ walking motor overload, the red warning light synchronized fast flash (about 1 second 5 times), after 3 seconds can be restored to normal

Packing List



Installation

- Installation of lithium battery
- Connecting the water hose with the water supply connector
- Place the device on the photovoltaic panel and use the remote control to operate the device

warranty period

- Drive motor, lithium battery, charger 6 months
- Electronic components for 3 months
- Note: Brush heads, tracks, belts and other consumables are not covered by warranty.

Non-warranty regulations

- Unauthorized servicing, misuse, collision, neglect, abuse, ingestion of fluids, accidents, modifications, and other improper use of the product and accessories or removal of labels.
- Failure of this product and accessories due to human causes.
- Damage due to force majeure.

Technical Parameters

Working Principle	DC motor controls travel and brush rotation	Travel speed	22m/min
Operating voltage	24V	Water consumption	20L/min
Power supply method	li-ion battery (24V) *2	Control methods	remote control
Endurance	3-4hours	Working angle	15° <
Idle speed	500rpm	Operating Temperature Range	-20-50° C
Cleaning width	1100mm	Overall dimensions	1200*1000*350 mm
Cleaning type	Dry cleaning/washing	Equipment weight	29kg (Battery not included)
Bristle Material	nylon	Battery Weight	3.5 kg * 2

About storage

- In order to prevent deformation of the bristles, the device should be stored on tiptoe with the brush head hanging in the air, and placed in a dry and ventilated environment.
- In order to prevent the battery from being damaged by the loss of power, it should be placed in a dry and ventilated environment when stored, and the power can be replenished once every 2 months under the full-charged state.