

Roller Photovoltaic Cleaning Brush Product Manual

Model: WSE-G04 (Version 2.0)

Product Overview

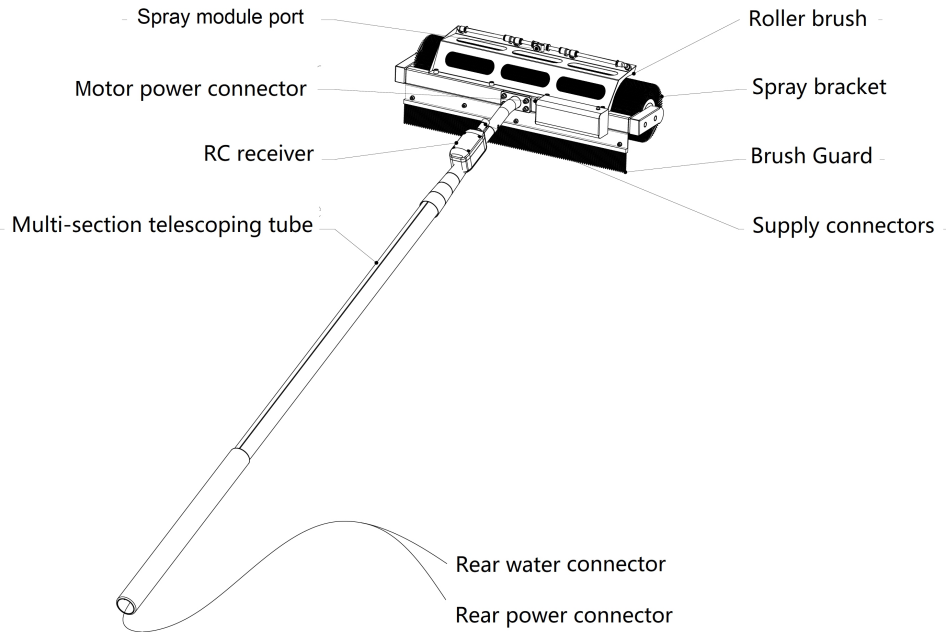
The Roller Photovoltaic Cleaning Brush is a professional device designed for cleaning photovoltaic panels. Please read this manual carefully before use and keep it properly stored.

This product is a water-based and dry cleaning integrated machine, allowing users to switch between the two modes based on cleaning requirements. In water-based mode, it is equipped with a spray water bracket and a brush baffle module.

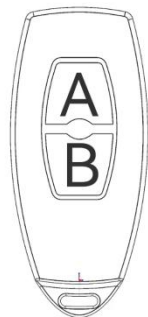
The product features an angle adjustment mechanism to adapt to photovoltaic panels at different tilt angles.

The product is equipped with a wireless remote control for turning the water supply and power on/off remotely. For the lithium battery version, users do not need to carry the battery, significantly reducing labor intensity and safety risks associated with direct contact.

Overall Machine Diagram:



Wireless Remote Controller Diagram:



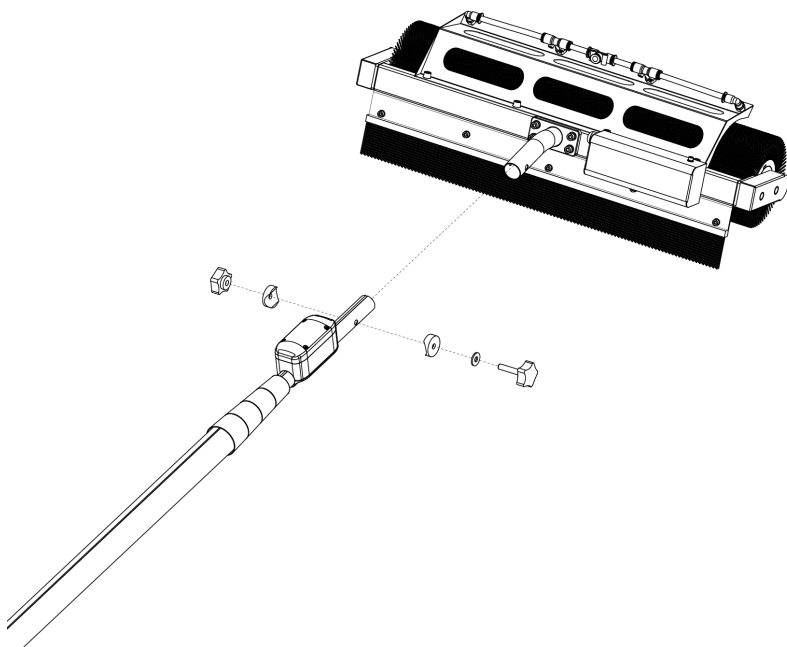
Product Specifications

1. Operating Voltage: 24V
2. Motor Power: Single 85W (Max 175W)
3. Cleaning Type: Water-based / Dry
4. Cleaning Width: 60cm
5. Maximum Water Flow: 4L/min
6. Brush Head Speed: 368 RPM
7. Lithium Battery Runtime: 8~10 hours
8. Net weight of the product (excluding battery): 14Kg;
Net weight of lithium battery: 3.8Kg

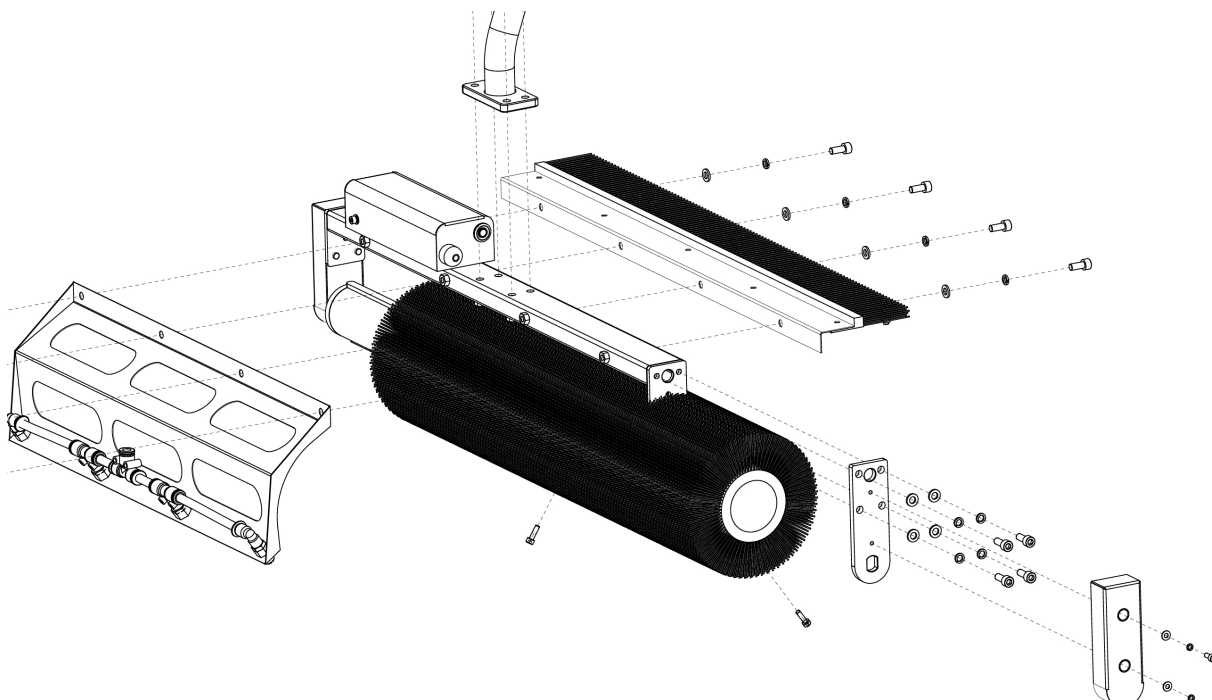
Installation Steps

1. Assembly

- Connect the telescopic pole to the brush head assembly according to the diagram.



2. Brush Head Replacement



- Disassemble the right-side components as shown in the diagram.
- Remove the brush head and replace it with a new one.

Usage Instructions

1. Connections

- Connect the power plug (for lithium battery version, connect the battery).
- Connect the water supply (including hoses, water pump, or faucet).
- Adjust the telescopic pole length as needed for long-distance cleaning.

2. Pre-Use Checks

- Ensure all connections are secure.
- For lithium battery version, check the battery level and recharge if low.

3. Customization

- Water/electric hybrid line length and telescopic pole length can be customized. Contact customer service for details.

Cleaning Tips

1. Method: Use water-based cleaning.

- Maintain pump pressure below 4MPa. Higher water flow improves efficiency within this range.

2. Sequence: Clean panels from top to bottom and front to back for optimal efficiency.

Precautions

1. Waterproof Warning: Lithium batteries, power adapters, pumps, and other electrical components are not waterproof. Avoid immersion or splashing.
2. Temperature: Do not operate in environments exceeding 40°C.
3. Storage: Do not leave hoses or connectors inside the device during long-term storage.
4. Safety: Children, elderly, or disabled users must operate under supervision.
5. Maintenance: Repairs must be performed by professionals.

Charging Instructions

1. Charging Indicator: Red (charging); Green (fully charged).
2. Charging Time: 8–10 hours when fully drained.
3. Battery Care: Recharge when battery level drops to 20% to prolong lifespan.

Warranty & Maintenance

1. Warranty Period

- Electrical components (battery, charger, motor, etc.): 12 months.
- Cables and wires: 12 months.
- Telescopic pole: 6 months.

2. Non-Warranty Cases

- Damage from unauthorized repairs, modifications, misuse, liquid exposure, accidents, or non-original parts.
- Exceeding national warranty periods.
- Damage due to human error or force majeure.