

Trinabot

# Trinabot

Aurora

PV Cleaning Robot - 2P

Trina solar

# PV Cleaning Robot - 2P

## Suitable for Fixed Structure



### Intelligent Algorithm for Auto-Correction

- Height Tolerance: 50 mm
- Longitudinal Deviation: 50 mm



### Modular O&M

- The modular design allows for flexible maintenance and upgrades, making it adaptable to diverse PV plant conditions and operational needs.



### Autonomous Cleaning Decision-Making

- Independently perceives environmental data and cleaning requirements, automatically planning and adjusting cleaning strategies.



### OTA Remote Differential Upgrades

- Reduces upgrade time and storage pressure, completing a full-site upgrade in just 15 minutes.



GENERAL FEATURES 

Dimensions (L×W×H mm)	L*450*350 (L≤6000)
Weight (kg)	65-70
Number of Motors (units)	2
Rated Power (W)	≤240
Operating Current (A)	5-7
Maximum Operating Distance (m)	2000 (battery-configurable)
Operating Speed (m/min)	18-22
System Voltage (V)	<36
Power Supply	Self-charging module
Battery Type/Capacity	LFP 20Ah (configurable)
Operating Temperature	-20°C~60°C
Low-Temperature Operation	Optional battery heating module (Low temperature batteries are optional)
Applicable Module Tilt Angle	0~60°
Working Angle	0~45°
Maximum Climbing Gradient	Max 20°
Module Height Difference (mm)	50
Module Misalignment (mm)	50
Communication	LoRa/4G/Bluetooth
Communication Protocol	Custom protocol
Operating Wind Speed (m/s)	15m/s
Maximum Wind Resistance (m/s)	55m/s
High Wind Protection	YES
Protection Rating	IP65
Corrosion Resistance	C4

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