



# ST-3

Solar Panel Cleaning Machine

The ST-3 single head solar panel cleaning machine has a brush disc with an outlet, which can be connected to a water source to achieve efficient cleaning by spraying water for brushing; Compared to dual head solar panel cleaning machines, this photovoltaic cleaning machine has the advantages of being lighter, more flexible, and lighter in weight. If it is a small area or short distance photovoltaic power station, this photovoltaic cleaning machine can be considered.









Easy-control

ol Retractable

Waterproof

Durable

## ST-3





#### **KEY FEATURES**



#### Auto-angle brush, no deviation

Auto-angle brush adapts to solar panels, ensuring full contact and even pressure for stable, easy control.



#### Waterproof design, washable in rain

For outdoor durability, the entire unit is waterproof. It features export-grade waterproof connectors, a brushless waterproof motor, and a sealed one-piece design to prevent water damage, rust, and short circuits—ensuring reliable operation even in rain.





#### Freely adjustable length (max 7.5m)

Telescopic pole with quick-lock system (3.5m/5.5m/7.5m options) for effortless cleaning from ground to distant solar arrays (up to 4 rows). Custom lengths available.



### Pure copper brushless motor — Extra durability

Brushless motor lasts 10,000+ hours (vs brushed motors), with superior dust/water resistance. Tech note:

Brushless uses electronic commutation (no carbon brushes), offering higher efficiency, compact size, and longer life at higher cost.

### **SPECS**



ST-3 Cleaning Machine
Battery Life
Charging Time
Li-ion Voltage
Li-ion Capacity
Cable Length
Hose Length
Motor Voltage
Power (Brushed/Brushless)
Speed (Brushed/Brushless)
Cleaning Width
Telesc. pole material
Telesc. pole length
Pump Specs

Mains-powered	Lithium battery	Dual-Use
-	6-7h 6-7h	6-7h 6-7h
-	24V 26AH	24V 26AH
14 / 16 / 18m 9m	5 / 7 / 9m 9m	14 / 16 / 18m
24V 120/150W	24V 120/150W	9m 24V 120/150W
300/350r/min 30cm	300/350r/min 30cm	300/350r/min
Aluminum alloy 3.5 / 5.5 / 7.5m	Aluminum alloy 3.5 / 5.5 / 7.5m	30cm Aluminum alloy
24V/100W	24V/100W	3.5 / 5.5 / 7.5m 24V/100W

