

ST-4

Solar Panel Cleaning Machine

The ST-4 dual-head solar panel cleaner features counter-rotating brushes and integrated water spray for efficient cleaning. Ideal for rooftops, agri-PV, floating PV, and mountain solar plants. Certified with Chinese utility and design patents.

ST-4



Stable



High-Efficient



Waterproof



Durable

ST-4



KEY FEATURES

1

Balance Power™ for steady use

Dual brush heads rotate oppositely for balanced, stable cleaning. One-handed operation with a telescopic handle for easy scrubbing. More efficient and less tiring than single-brush designs.

3

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.

2

AquaShield Tech: Faster, deeper clean.

Dirt removed by brushes may recontaminate panels.

XYT ST-4's 4-nozzle system creates a high-pressure water curtain, flushing away debris 75% faster.

* Brushless motor version only

4

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-4 Cleaning Machine	Mains-powered	Lithium battery	Dual-Use
Runtime	-	3.5-4.5h	3.5-4.5h
Charge Time	-	6-7h	6-7h
Battery Voltage	-	24V	24V
Battery Capacity	-	26AH	26AH
Cord Length	14 / 16 / 18m	5 / 7 / 9m	14 / 16 / 18m
Hose Length	9m	9m	9m
Motor Voltage	24V	24V	24V
Power(Brushed/Brushless)	240/300W	240/300W	240/300W
Speed(Brushed/Brushless)	300/350r/min	300/350r/min	300/350r/min
Brush Width/Cleaning Path	32/65cm	32/65cm	32/65cm
Bristle Material	Nylon Yarn	Nylon Yarn	Nylon Yarn
Telesc. pole material	Aluminum alloy	Aluminum alloy	Aluminum alloy
Telesc. pole length	3.5 / 5.5 / 7.5m	3.5 / 5.5 / 7.5m	3.5 / 5.5 / 7.5m

Configuration

						
User Manual	Power Converter	Power Extension Cord	Lithium Battery	Charger	Spring Cable	backpack

Mains-powered	u	u	u				
Lithium battery	u	-	-	u	u	u	u
Dual-use n	n	n	n	n	n	n	