



SunBrush *mobil* rapid

Versatile Solar Cleaning Solution



www.sunbrushmobil.com

Features &
Technical Specifications



Rapid Features

1 WashTronic System

Our patented nitrogen accumulator level control system WashTronic offers constant and controlled pressure between the brush and panels, regardless of ground contours. Built as standard on every SunBrush, we can guarantee a consistent, even clean with no damage.

3 Easy Control

Intuitive control via foot pedals from operators cab. Installation of the control device without extensive modification of the excavator.

5 Freely Pivoting

The brush system is suspended via a freely pivoting hanging point. This enables the brush to self regulate its angle as the panels track throughout the day and/or ground contours change.

2 180° Cleaning

Vehicle cabin rotation allows for cleaning on the right and on the left.

4 Integrated Wet & Dry Cleaning

Water lines are built in as standard throughout the machine. Pre-soak and rinse are controlled by through the SunBrush joystick, providing a thorough clean.

6 Water Tank

Secure fastening of water tank via the carrier console on the chassis.



7 Brush Options

ø 350mm, ø 500mm Brush Options available for the cleaning of different panels and arrangements.



350mm: Brush is the most popular brush option. Designed for all fixed tilt arrays and the majority of tracking systems.

500mm: Brush is designed specifically for NexTracker systems. The longer bristles can pass straight over the bearing assemblies.



8 Brush Lengths

Different brush lengths are available depending on the array to be cleaned. Interchangeable 3 meter brush as option.

Panel Orientation	Panel Table Height	Brush Length
6x horizontal	6 meter	4,5 meter
8x horizontal	8 meter	5 meter
10x horizontal	10 meter	5,5 meter

9 Certified Brush

Scan this QR Code for official wet & dry-cleaning study carried out by the University of Applied Sciences Ulm.





Rapid **Cleaning Concept**

The length of brush boom is 4,5 m, 5m or 5,5m.
Exemplary cleaning mode applicable for 8m modules tables e.g.

Cleaning path 1 - The upper area of the module table is cleaned first on the forward run
Cleaning path 2 - The lower area of the module table is then cleaned on the reverse run

Cleaning path 1: 8 meter module tables



Cleaning path 2: 8 meter module tables

Rapid **Accessoires**

Tank System

Flexible and fast water refilling
High performance motor pump
Hoses and couplings included

Carrier Console & Water Tank 1000 L

Mounts on excavator linkage
Carries the water tank
on stable carrier console

SunBrush Blue

Solar panel cleaner with „Anti-limescale-formula“
Stainless and spotless cleaning
No expensive demineralization
Biodegradable





Rapid Specification

Cleaning Output Data

Brush Size	4,5 m	5 m	5,5 m
Panel Arrangement	6 horizontal	8 horizontal	10 horizontal
Driving Speed	1,5 - 2 km/h	1,5 - 2 km/h	1,5 - 2 km/h
Panel/h (1,5 km)* Path 1	2250	3000	3750
Panel/h (2 km)* Path 1	3000	4000	5000
Area Output/h* Path 1	4500 - 6000 m ²	6000 - 8000 m ²	7500 - 10000 m ²
Driving Speed	1,5 - 2 km/h	1,5 - 2 km/h	1,5 - 2 km/h
Water Usage	0,25 Liter per m ² 0,5 Liter per module	0,25 Liter per m ² 0,5 Liter per module	0,25 Liter per m ² 0,5 Liter per module

* Path 2 equal in result

SunBrush General Data

Cleaning System	Rotating bristle brush, wet or dry
Cleaning Speed	1,5 - 2,5 km/h
Brush Lengths	4,5m, 5m, 5,5m
Brush Type	350mm bristle = standard brush, for vast majority of systems 500mm bristle = NexTracker systems
Weight	220-250 kg
Controls	Intuitive foot pedal control
Float Safety System	WashTronic, patented nitrogen accumulator level control mechanism
Swivel Range	180°, to enable cleaning on the left and right of Carrier Vehicle
Water Settings	Double sided water lines



SunBrush mobil
Cleaning Systems 

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