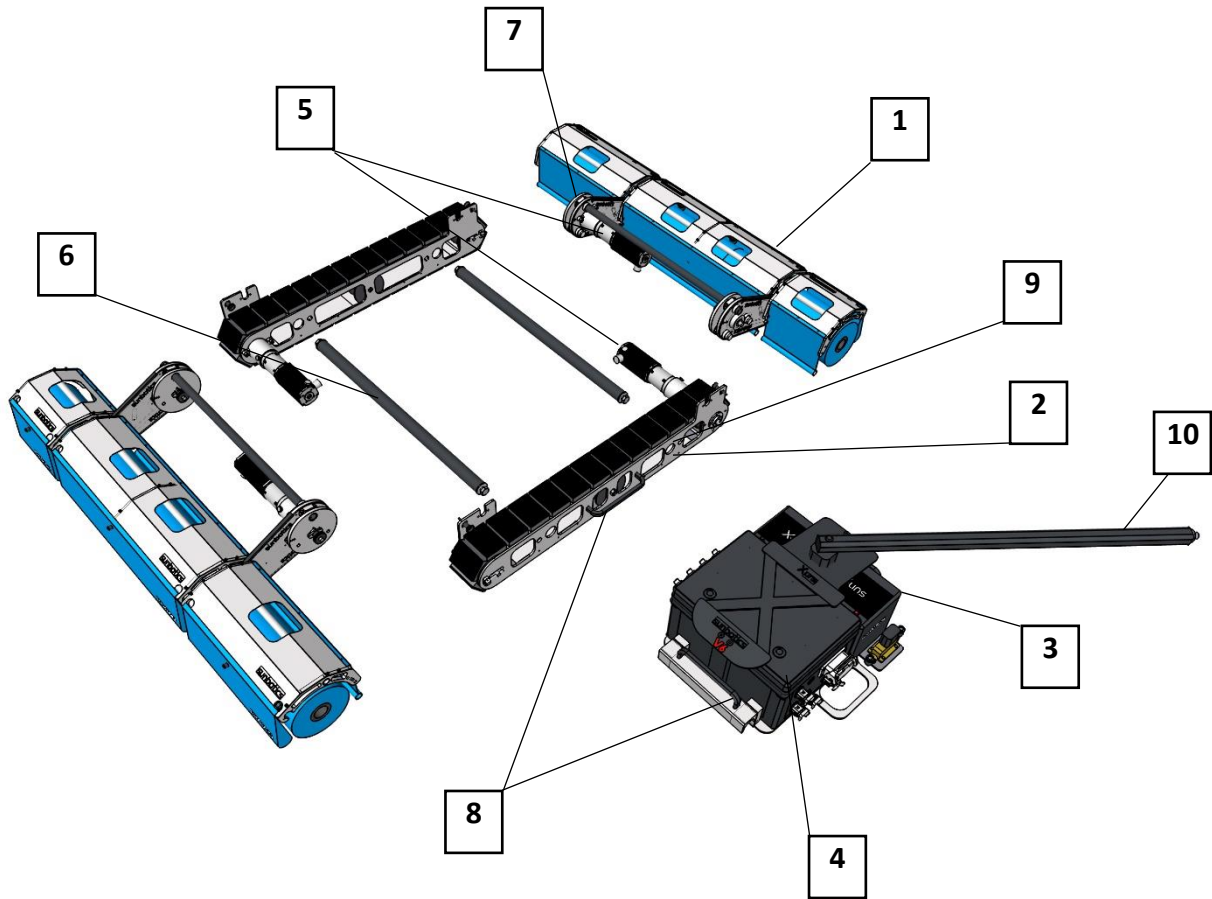


SUN-X

Technical Data – Robot

	Robot 145 cm	Robot 210 cm (2 brush motors)	Robot 210 cm (4 brush motors)
Width	1450 mm	2100 mm	2100 mm
Length	1550 mm	1550 mm	1550 mm
Height	380 mm	380 mm	380 mm
Weight	85 Kg	94 Kg	102 Kg
Weight of single parts			
Frame incl. e-Box	13 Kg		
Chassis incl. motors	29,5 Kg	30,5 Kg	
Brush module incl. Motors (each)	18,5 Kg	22,5 kg	26,5 Kg
Battery	5,5 Kg		
e-Box (without frame)	7 Kg		
Max. speed	23 m / min	23 m / min	23 m / min
Regular cleaning speed in m /min*	16,1 m / min	14,5 m / min	16,1 m / min
Regular cleaning speed in m² / Std.*	1.400 m ² / h.	1.739 m ² / h.	1.932 m ² / h.
*The basis for these specifics is a regular soiling of the PV modules			
Max. inclination of the solar modules	25° **	20°***	20°***
** During favourable weather conditions inclinations of up to 30° are possible			
*** During favourable weather conditions inclinations of up to 25° are possible			
Leak test	Safety class IP 65	Safety class IP 65	Safety class IP 65
The robots are equipped with addition splash guards and cable connectors with additional water resistance			
Water usage	400-600 L / h.	400-600 L / h.	400-600 L / h
Brush rotation¹	200 rpm	200 rpm	200 rpm
¹ The rotation in rpm is adaptable as desired			
Load calculation	3.500 pa	3.900 pa	4.350 pa
Battery power²			
20 Ah	Ca. 80 Min	Ca. 80 Min	Ca. 80 Min
Y-Connector (40 Ah)	Ca. 2 h	Ca. 2 h	Ca. 2 h
² The Robot can be powered either via battery or transformer. The battery endurance is dependent on the number of motors used.			



The Robot consists of the following modular parts / assemblies and components:

Nr.	Component/assemblies
1	Brush module with guard
2	Drive unit (large)
3	Battery
4	e-Box (electronic-Box)
5	Motor

Nr.	Component/assemblies
6	Connector for drive units
7	Carrier arm with Quick-Coupling system
8	Handles
9	Hanging-/securing eyeslets
10	Water connection