8.Automatic Solar Panel Cleaning Robot

Product Specifications

PV Module Cleaning System Gen .   5 Robot For 2P/4L MMS

Model : SRC-5/4000

Operation Method: Manual & SCADA

Remarks: By portable remote controller&Wireless remote communication via gateway and antenna.
RF433MHz Modbus TCP/IP Protocol.

Main Specifications & Parameters

S/N	Item	Parameters	S/N	Item	Parameters
Model : SRC-5/4000				
1	Operation Method	Manual / SCADA	14	Operating Noise	Less than 60dB
2	Auxiliary Supporting Structures	Requiring bridges, docking & return stations.	15	Operating Temperature	-40℃~70℃
3	Cleaning Method	Dry cleaning by roller brush	16	Operating Humidity	0%~95%
4	Weight	Roughly 67Kg	17	Wind Rating	26m/s, Grade 10 (For normal robot operation; if robot stops its supporting structures, wind rating can be 45~47m/s.
5	Dimension	L4000±*W445*H455mm			
6	Voltage	DC 24V			
7	Driving Mode	DC motor output driving	18	IP Level	IP65
8	Transmission Mode	Gear drive	19	Cleaning Angle	0~35°
9	Power Supply	200W L1580*W676*H40mm 11.3kgs	20	Climbing Angle	Suggested less than 15° (Short distance like bridge climbing)
10	Travelling Speed	16m/min on average	21	Cleaning Frequency	Max. once per day is suggested
11	Travelling Distance	Suggest within 2400m (Namely row length 1200m)	22	Cleaning Efficiency	≥99.5%
			23	Uptime/Availability	≥98.5%
12	Cleaning Mode	Round-trip/full-cycle cleaning	24	Environmental Effect	Environment-Friendly
13	Brush Rotating Speed	130RPM	25	Standard Warranty	2 Years (From robot acceptance test date)