



MFH. Moj-e
Fannavari-e
Houshmand

Robot

■ Solar Panel Washing Robot

Main Advantages & Features

- Cleaning the surfaces of solar panels
- 20 to 40 percent increase in efficiency of solar panels
- Low weight
- Low water consumption in washing panels
- Ability to make different sizes of solar panel washing robot



Applications

- Has a dedicated GUI
- Show speed in GUI
- Display the distance travel
- Display unexpected system faults
- Display the system temperature
- Display motor speed and current plot
- Display the battery charge level
- Display the number of robot forward and backward movement on the solar panels.



The specifications identified in this data sheet are representative of standard systems. To satisfy customer specific requirements MFH is able to design systems with specifications that are increased or decreased relative to standard systems.



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RBS-V3

RBS-V3 PARAMETERS

ROBOT SPECIFICATIONS



Dimensions

Length	2200 mm
Width	350 mm
Height	210 mm
Brush Length	1620 mm
Brush Diameter	130 mm

Velocity

Brush Rotation Speed	180 rpm
Driving Speed	12 meter/minute

Working Conditions & Mechanical

Operating temperature	-15 °C to 55 °C
Operating Humidity	< 70 %
Climbing Capacity Degrees	35 Degree
Motor Torque (Max)	15.5 Nm
Total Weight	29 Kg
Power Supply (Ion battery)	25.2 Volt
Operating situation	Dry and Wet
Storage temperature	-25 °C to 65 °C

Others

Number of spray nozzles	6
Water consumption per meter	0.8 L
Battery capacity	2h
Solar panel height	1638 mm



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