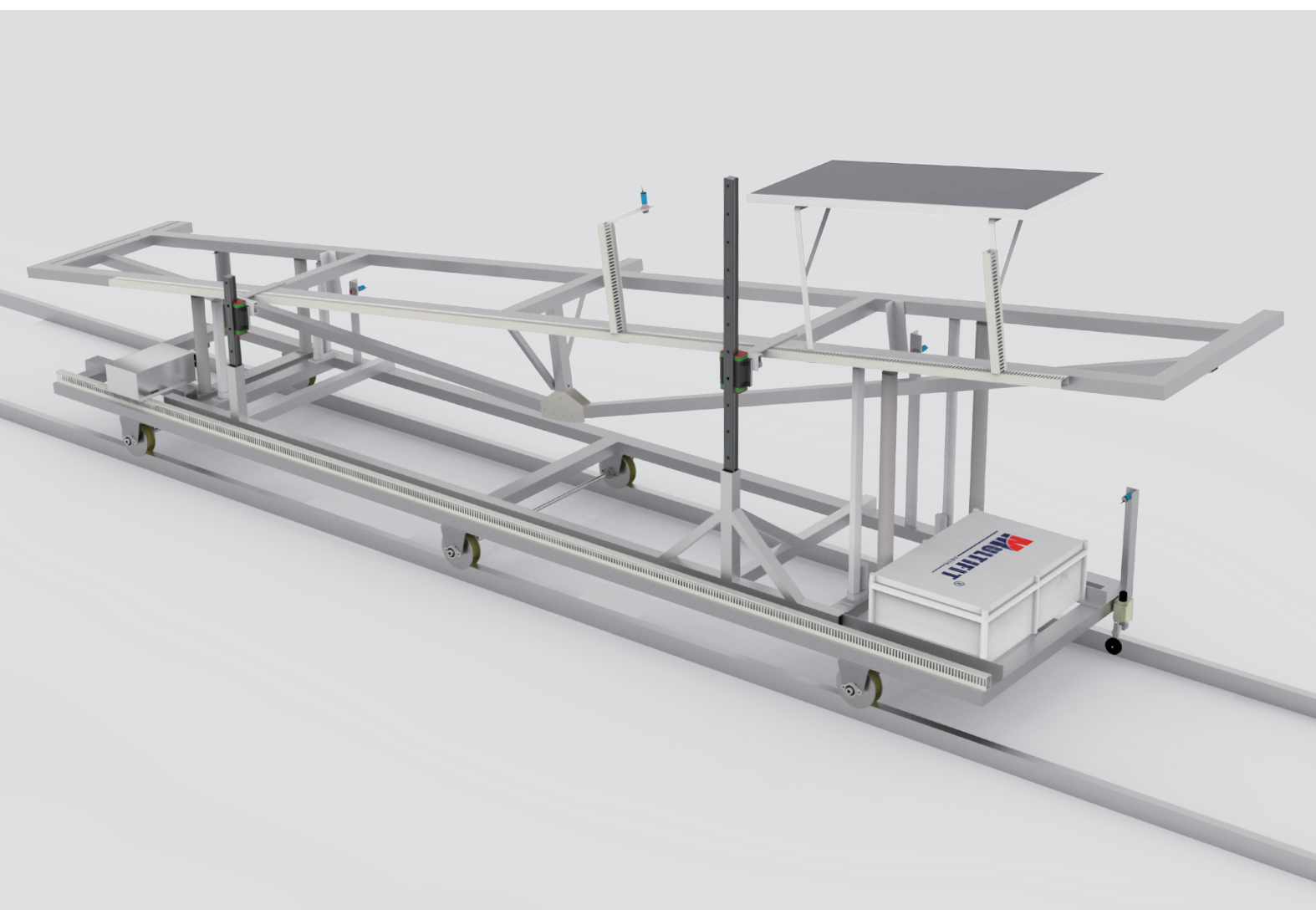


SHUTTLE SOLAR ROBOT TRANSFER VEHICLE

MR-AR Series



Overview of Transfer Vehicle



PHOTOVOLTAIC PANEL MAINTENANCE

It is used for the maintenance of large photovoltaic power station system, reducing the manual handling process, and can clean photovoltaic panels in time.



SAVE TIME AND EFFORT


It is time-consuming and laborious to carry the cleaning robot manually. If the photovoltaic power station is built on a flat ground and roof, it is recommended that you equip a transfer vehicle that can walk automatically when purchasing the cleaning robot. Press the start switch, the transfer vehicle moves forward, the sensor on the transfer vehicle senses the photovoltaic array and aligns with the array, the transfer vehicle stops moving forward, at this time, the front and rear rods are adjusted and lifted to the level of the photovoltaic array, and the G1 solar cleaning robot senses and starts the equipment to start cleaning.




CONTINUE CLEANING


After cleaning, the G1 solar cleaning robot moves to the transfer vehicle, and the transfer vehicle moves to the next array to continue cleaning.

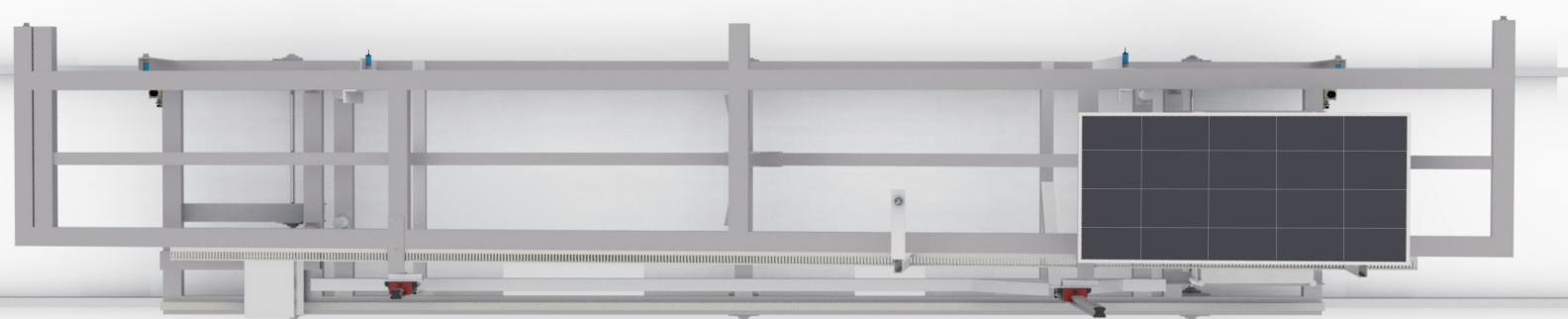
PRODUCT CHARACTERISTICS

 **PURPOSE OF CONSTRUCTION**
Make the cleaning robot work faster, start and stop smoothly, reduce the frequency of personnel handling cleaning machines.

 **BRIDGING**
According to the ups and downs of the array, establish a link track to allow the cleaning robot to walk smoothly into the next PV panel cleaning range.

 **APRON**
The harbor where the solar cleaning robot is parked. According to your needs, the cleaning work will be carried out at fixed time and fixed point. The solar cleaning robot will return to the apron and wait for the next cleaning service. The parking will not affect the power generation rate of the photovoltaic power station.

 **RETURN POSITION**
This is a position that is easy to be ignored. If there is no return position, there will always be an invisible position at the edge of the photovoltaic panel, which not only affects the power generation efficiency, but also affects the life of the photovoltaic panel. The return position is to allow the cleaning robot to extend the cleaning range and make each solar panel of the photovoltaic array clean in place, in addition,it can protect the cleaning robot from falling when the sensing wheel is out of control.



PRODUCT PARAMETER



Name	Parameter
Rated power of the motor	300W
Rated voltage	24V
Capacity of the lithium battery	10AH
Power of the self-charging panel	60W
Duration of use	6-8 hours
Control method	Remote control

Customization of Transfer Vehicle

According to the array data of your photovoltaic power station, the technical department will provide you with the design scheme.



- The data required are:
1. Width of solar panel array.
 2. The height (maximum and minimum dimensions) of the solar panel array and the angle of the photovoltaic panel.
 3. Array drawings and panoramic photos of the photovoltaic power station.