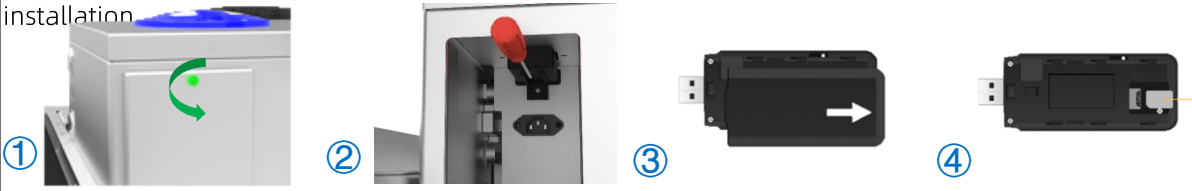


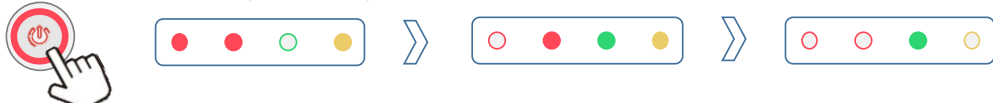


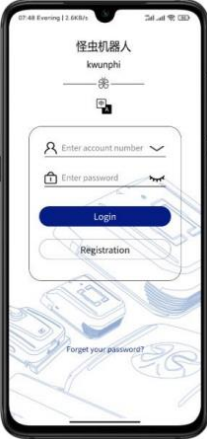
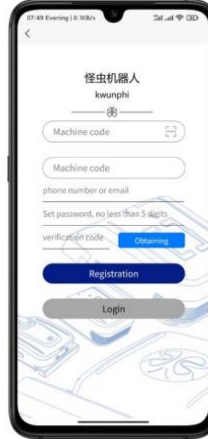
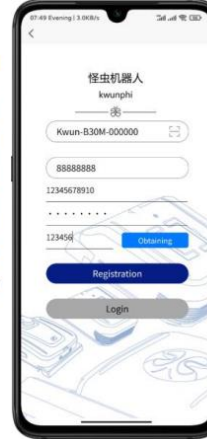



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Installing a SIM Card	
1	<p>Unscrew the bolt on the battery cover on the right of Kwun body counterclockwise, and open the battery cover. Remove the 4G network cover using a Phillips screwdriver, insert the Nano SIM card, and restore the installation.</p>  <p>* You need to buy and insert Nano SIM card by yourself * Main traffic usage scenario: device interface interaction is about 3.2KB/s, and one OTA is about 1-50MB * You need to configure the VPN for 4G network modules. For details, see the LTE Modem APN Configuration</p>
Install the brush roller support	
2	 <p>1. Hand twist combines bolt eight three fixed roller in front Kwun body with water segregator, roller without water segregator Kwun body in the rear. (Do not tighten)</p> <p>2. Flip Kwun body bottom up, straightening the roller brush so that it is level, using the M4 Allen wrench tight eight directly before and after the three combination bolt roller.</p> <p>3. Flip Kwun face on the body, use the M4 Allen wrench verify strengthening before and after the original eight three composite bolt roller.</p> <p>4. Open the waterproof cover of the front and rear roller brush air socket, and connect the front and rear roller brush air plugs according to the limit prompts to complete the installation.</p>
Install battery	
3	<p>1. Align and insert the battery until it is inserted into the power socket at the bottom. 2. Cover the battery cover and fasten the battery cover bolts clockwise.</p> 

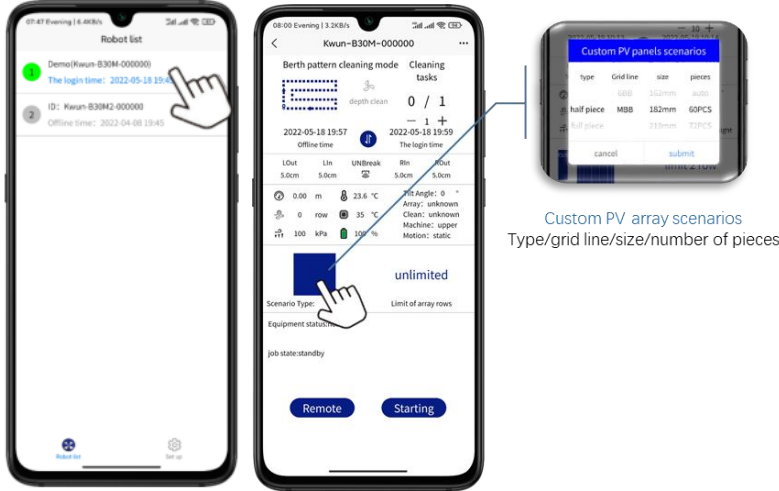
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4	<p style="text-align: center;">Power on</p> <p>Press the power button to start the device. When the first red light is off, the device is normal and enters the initialization state. When the green light is steady on and the red light is off (the buzzer beeps once), and the initialization is successful (about 22s).</p> 
5	<p style="text-align: center;">Software download</p> <p>Scan QR code, download and install the latest official APP software "AI K\</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <p style="display: flex; justify-content: space-around; font-size: small;"> Android iOS </p>
6	<p style="text-align: center;">Register account and bind device</p> <p>After downloading the APP client and installing it, follow the procedure below to register an account and bind the device.</p> <div style="display: flex; align-items: center;">  <div style="margin: 0 10px; text-align: center;"> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Click the register button</p> <p>»</p> </div>  <div style="margin: 0 10px; text-align: center;"> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Fill in relevant information</p> <p>»</p> </div>  </div> <div style="margin-top: 20px;"> <p>The PhiCleaner's ID code is located on the underside of the battery cover. It is recommended to scan the QR code and fill in quickly.</p>  </div>

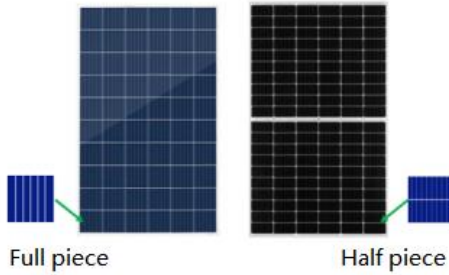
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Custom PV array scenarios

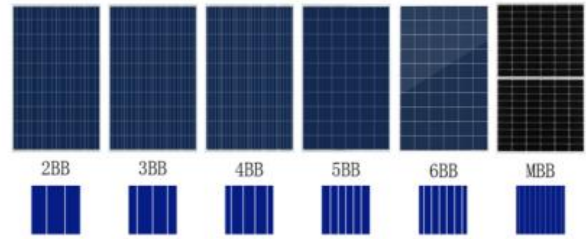
Select the device, enter its interactive interface, click the "battery chip" icon, customize according to the operation scenario by component type, grid line, size and number of pieces, and then click Submit. Refer to the following figure for selection of type, grid line, size and number of pieces.



7



Type

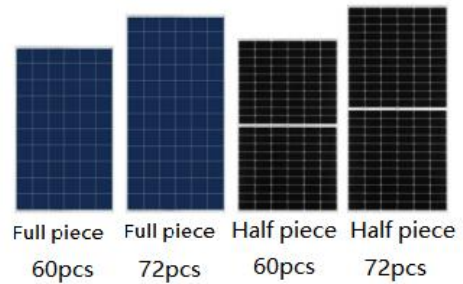


Grid line



Size

Pieces



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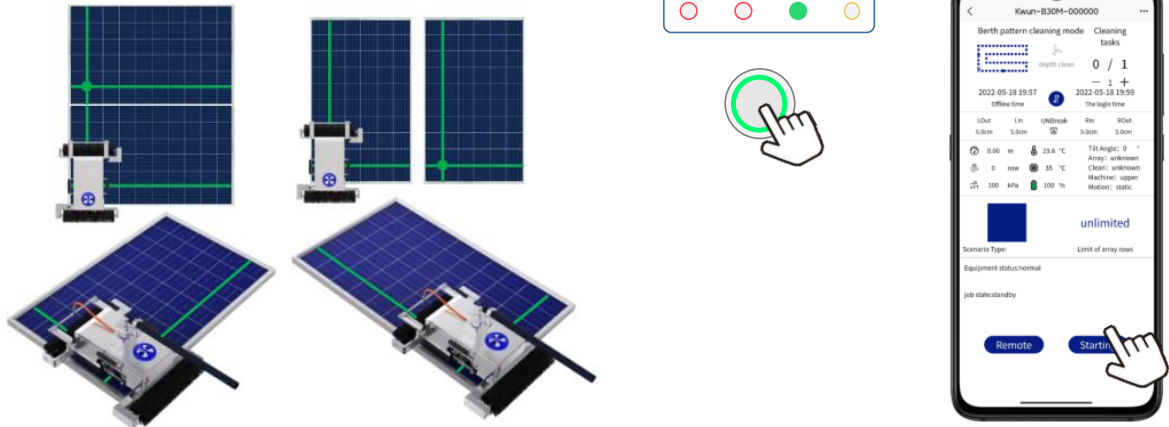
Adjust the Kwun position to start the Kwun

Adjust the horizontal central axis of the device to the spacing line of the cells in row 1 and row 2 in the lower corner.

* Holes on the support plate of the synchronous wheel indicate the central position of Kwun, which can assist in position calibration.

When the green light is steady on and the red light is off (the buzzer beeps once), and the initialization is successful (about 22s), press the start/standby button to start the device.

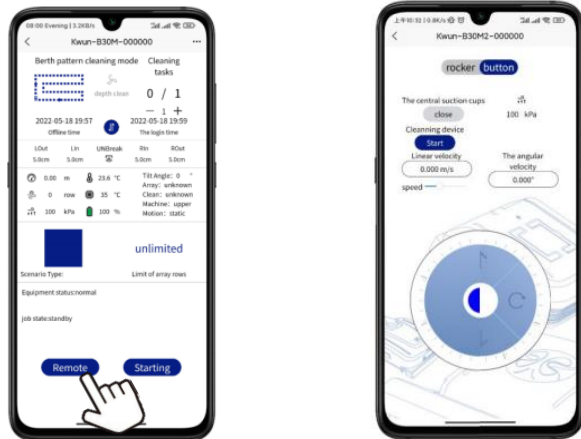
8



Remote control

Click the APP remote control button, Joystick and button modes manually control Kwun movement.

9





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10	<p style="text-align: center;">Power off</p> <p>Press the power button to turn off the device and remove the battery.</p>
11	<p style="text-align: center;">Attention</p> <ol style="list-style-type: none">1. Use the product as instructed in the manual. Only use the accessories recommended or sold by the manufacturer, Please refer to the <i>Kwun-E11L PV panels cleaning robot Kwun manual</i>.2. Make sure the supply voltage meets the voltage specified on the charger.3. Before using the product, make sure that the battery and shell have been installed in place, and the battery power is sufficient.4. If the power cord is damaged, it must be replaced by the manufacturer, its maintenance department or a professional to avoid danger.5. Please turn off the power switch or pull the plug from the power socket before cleaning and maintaining the product.6. In case of power failure, waterproof covers must be installed on connectors and sockets, and ensure that the waterproof covers are clean and free of foreign matter.7. Before placing the Kwun in the initial position of the photovoltaic array, ensure that the surface of the initial position is clean in advance to prevent the product from slipping or falling due to serious pollution of the track.8. After cleaning job, clean the anti-fall sensor with a wet towel and then wipe it with a dry towel to prevent excessive accumulation of dust and affect the perception.9. Before discarding the product, turn off the power switch and remove the battery. Remove and discard the battery in accordance with local laws and regulations.10. If the product is not used for a long time, please turn off the power switch and power off the product.11. Wear ESD gloves when touching the Kwun.12. It is only used in the PV array with an inclination of less than or equal to inclination 10° (dry brush) or 5° (wash) , the PV array edge range of 50cm is free of obstacles and the lowest point is suspended above 10cm.13. Do not use the product in an extremely hot (above 45°C) or extremely cold (below -20°C) environment.14. Safety protection devices such as guardrail and protective shed should be built around the photovoltaic array to prevent safety accidents.15. When the product is operated at a height above 2m (including 2m) which is likely to fall, it shall follow the Technical Specification for Safety of Operation at Height in Construction.16. Do not use the product when it cannot work normally due to drop or damage. To avoid injury, the product should be repaired by the manufacturer or its after-sale service.17. Please use the product according to the instructions in the manual. Kwunphi company is not responsible for any loss or injury caused by improper use.