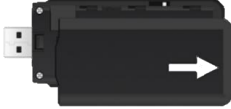
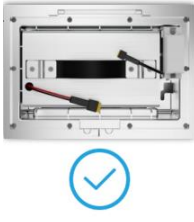



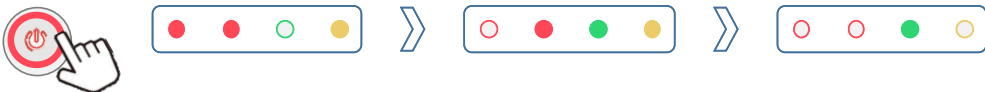


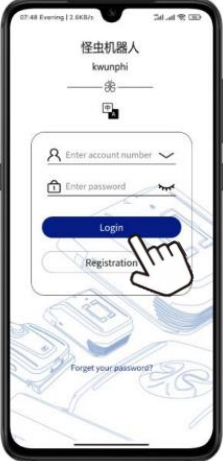
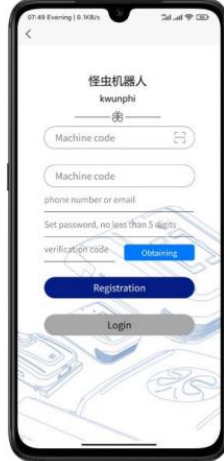




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1	<h3>Installing a SIM Card</h3>
	<p>1. Open the battery cover and remove the 4G network cover using a Phillips screwdriver. 2. Take out the 4G network module, remove the cover, insert the Nano SIM card, and restore the installation.</p> <div style="display: flex; justify-content: space-around; align-items: center;">      </div> <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 Instructions.</p>
2	<h3>Battery installation</h3>
	<p>1. Open the battery cover 2. Align the battery, and connect the battery outlet to the XT60 port on the opposite side of the connection port. 3. Close the battery cover</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>
3	<h3>Install the brush roller support</h3>
	<p>1. Hold the roller brush holder and lift the roller brush holder. Insert the flange bearing corresponding to the rotating guide rail connecting the roller brush holder. 2. Ensure that the air socket is powered off, open the waterproof cover, connect the air socket according to the limit prompt, and complete the installation.</p> <div style="display: grid; grid-template-columns: repeat(3, 1fr); gap: 10px;"> <div style="text-align: center;">  <p>① Flange bearing</p> </div> <div style="text-align: center;">  <p>②</p> </div> <div style="text-align: center;">  <p>③</p> </div> <div style="text-align: center;">  <p>④</p> </div> <div style="text-align: center;">  <p>⑤</p> </div> <div style="text-align: center;">  <p>⑥</p> </div> </div>

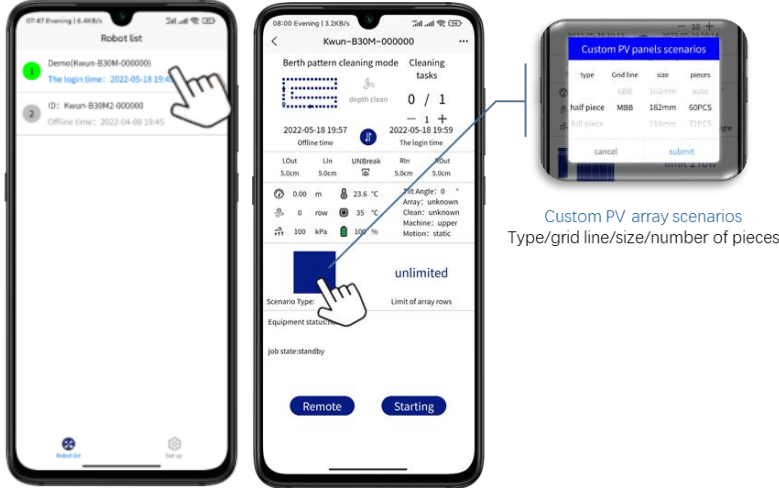
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4	<h3>Power on</h3> <p>Press the power button to start the device. When the first red light is off, the device is normal and enters the initialization state. When the green light is steady on and the red light is off (the buzzer beeps once), and the initialization is successful (about 22s).</p> 
5	<h3>Software download</h3> <p>Scan QR code, download and install the latest official APP software "AI Kwun"</p> <div style="display: flex; justify-content: space-around;">   </div> <p style="text-align: center;"> Android iOS </p>
6	<h3>Register account and bind device</h3> <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; justify-content: space-around;"> <div style="text-align: center;">  <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Click the register button</p> </div> <div style="text-align: center;">  <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Fill in relevant information</p> </div> <div style="text-align: center;">  </div> <div style="text-align: center;"> <p>The kw un'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> </div>

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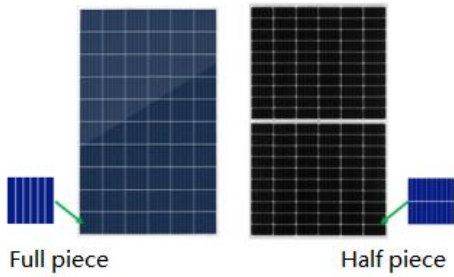
Custom PV array scenarios

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.



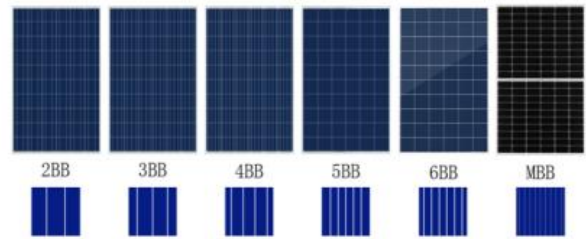
Custom PV array scenarios
Type/grid line/size/number of pieces

7



Full piece Half piece

Type

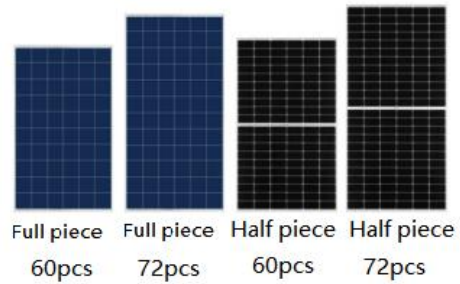


Grid line

Size

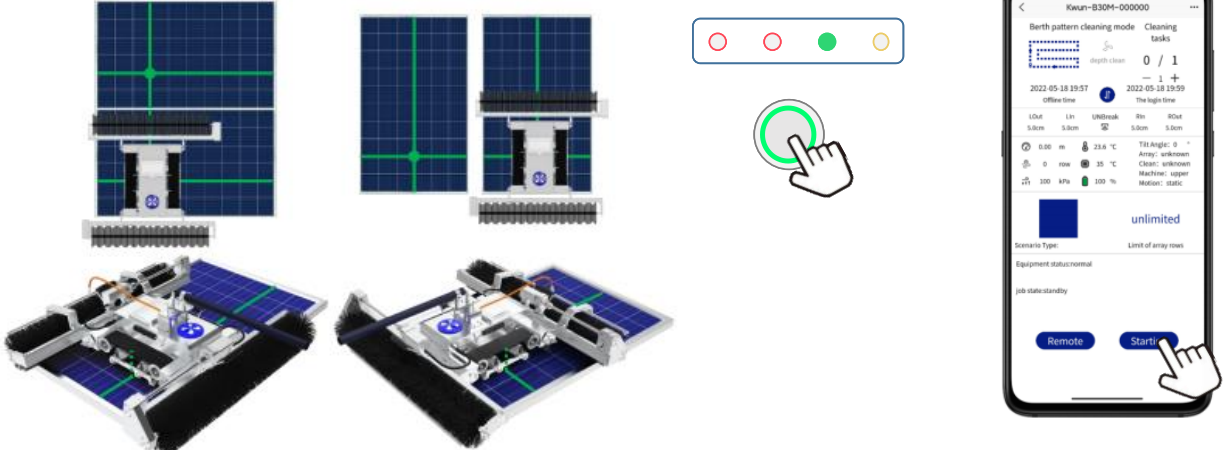
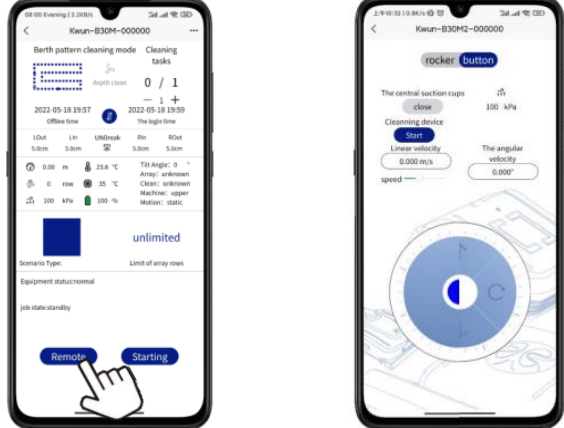


Pieces



Full piece Full piece Half piece Half piece
60pcs 72pcs 60pcs 72pcs

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8	<p style="text-align: center;">Adjust the Kwun position to start the Kwun</p> <p>Adjust the horizontal central axis of the device to the spacing line of the cells in row 2 and row 3 in the lower corner, and the horizontal central axis to the spacing line of the cells in row 3 and row 4 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.</p> 
9	<p style="text-align: center;">Remote control</p> <p>Click the APP remote control button, Joystick and button modes manually control Kwun movement.</p> 
10	<p style="text-align: center;">Power off</p> <p>Press the power button to turn off the device and remove the battery.</p>



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Attention	
11	<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-E33H 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 20° (dry brush) or 15 ° (wash) , the PV array edge range of 50cm is free of obstacles and the lowest point is suspended above 8cm.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.