Powerstation PS2048 Smart App Control User Manual

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SMART CONTROL INSTRUCTIONS

POWER STATION PS2048

OUTLINE

FOREWORD

We are pleased to welcome you as a user and would like to help you unlock the full potential of your power station.

This user manual is your guide to using the app safely and efficiently. However, before you start the actual operation, we recommend that you take the time to read this manual carefully. It will give you a comprehensive overview of the functions and operating steps so that you can get the most out of your power station.

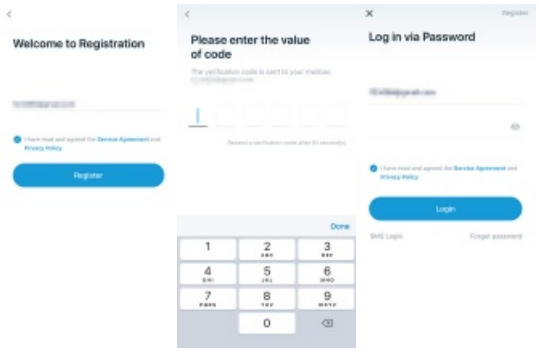
Please keep this user manual in a safe place for quick reference when needed. Also note that both the product software and this manual may be updated or revised periodically to provide you with the best possible experience.

1. APP DOWNLOAD

Search for the app “Wonderfree” in the App Store (iOS) or Google Play (Android) and download it.

2. REGISTRATION & LOGIN

Users can register by email account. The verification code will be sent to the email address. Enter the verification code and set the login password for registration. After completing the registration, return to the login page and enter your mail address and Enter your password to log in to the app. If you forget your password, you can click “Forget password” on the password login page to reset your password.

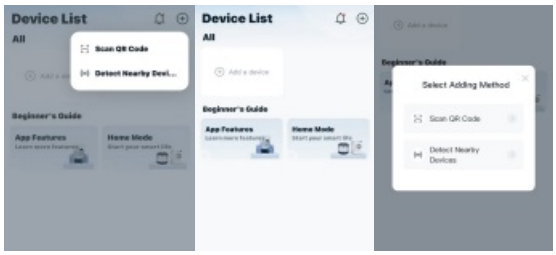


3. DEVICE CONNECTION

Make sure the smartphone’s Bluetooth is turned on and connected to the network (Wi-Fi/hotspot/mobile data). Your phone and the device should be within 3 meters of each other to create a stable connection environment. Then turn on the power. After turning on the power station, press and hold the Wi-Fi button for 3 seconds. When the Wi-Fi icon appears and flashes on the power station’s LCD display, it means the Wi-Fi function is turned on. Now you can start the connection between the app and the power station. NOTE: Please note that the connection must be established within 3 minutes. Otherwise, the power station’s Wi-Fi function must be turned back on. The device offers two connection methods: “Detect Nearby Devices” and “Scan QR Code” .

3.1 DETECT NEARBY DEVICES

1) On the home page, click “Add a device” in the “Device List” interface ， or click the “+” icon in the upper right corner of the interface and select “Detect Nearby Devices” in the pop-up window to search for the device.

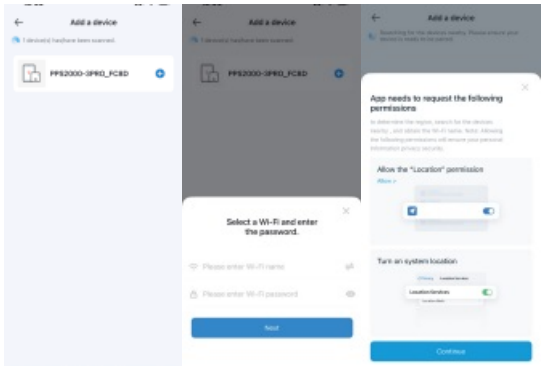


2) A pop-up window will appear requesting location permission, please set location permission for this app and enable your phone's system location.

3) Click the "+" icon to add the scanned device.

4) Select a 2.4G WiFi (or hotspot) and enter the password to connect the device to the network.

NOTE: The device only supports 2.4G WiFi and does not support 5G WiFi.



5) After the addition is successful, click "Done" .

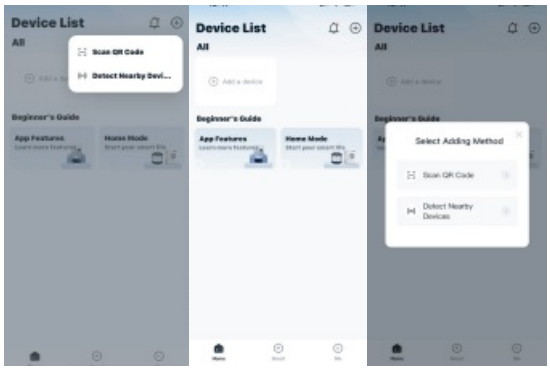
6) Click the "Modify" icon to edit the device name and then click "Save" .

7) The connected device will be displayed in the "Device List" interface , which means the device connection is completed.

3.2 SCAN QR CODE

If the primary user shares a QR code of the device with you, you can connect the device by scanning the QR code.

1) On the home page, click "Add a device" in the "Device List" interface , or click the "+" icon in the upper right corner of the interface and select "Scan QR Code" in the pop-up window to scan the QR code of the device.



2) After successfully scanning the QR code, name the device and then click “Confirm” .

3) The connected device will be displayed in the “Device List” interface, which means the device connection is completed.

NOTE:
(1) The QR code is only valid for 30 minutes and cannot be changed during the valid ity period. Please scan and connect the device within the validity period.

(2) The primary user can share multiple QR codes for other users to connect the device, allowing one device to be controlled by multiple users.

(3) When the primary user unbinds the device, the shared user will automatically disconnect.

3.3 HOW DO I CONNECT THE DEVICE OUTDOORS?

The device supports cellular connection outdoors or in places without Wi-Fi.

Method 1: Connect your phone to another phone’s hotspot and connect the device to that hotspot as well, which will solve the need to connect the device outdoors (or in places without Wi-Fi).

Method 2: If you have already connected the device to your phone indoors via 2.4G Wi-Fi and have not unbinded it, you can pair the device via Bluetooth on your phone when you move the device to use outdoors (or in places without Wi-Fi).

(1) After the device is disconnected from a Wi-Fi network, it needs to wait 3-5 minutes before it can connect via Bluetooth on your phone. (2) The device may need to be restarted before it can connect via Bluetooth on your phone (restarting the device will not unbind the device).

4. DEVICE CONTROL

Click the connected device to enter the device control interface. Users can view and control the status and data of the device. The “Device” and “Others” buttons are located at the bottom of the device control interface.

4.1 DEVICE

1) The device icon on the top of the interface shows the “Remaining available time” , the icon on the left shows the battery level of the device (F=full, E=empty), and the icon on the right shows the temperature of the device (H=hot, C=cold). (The data is for reference only.)

There are three colors for the device’s temperature display:

• Green indicates normal temperature

• Yellow indicates temperature warning

• Red indicates high temperature warning

(if the temperature is displayed in red, the device switches off).

2) When the device is charging, the “Remaining charging time” will be displayed under the device icon. (The data is for reference only.) * The remaining available time or remaining charging time displayed on the LCD display and in the app may be slightly different. Since the unit on the LCD display is “Hour” and there are only two digits, the maximum value is 99 hours. The units in the app are “Day” , “Hour” , “Minute” , which provide a more detailed time display.

3) “Input” : Displays the total input power of AC+DC/PV+UPS. “DC/Solar power” : Displays the charging power of the car or solar energy. “DC/Solar current” : Displays the charging current from the car or solar energy. “AC charging mode” : Displays the AC charging power and provides three AC charging mode options (“N-Charging” / “Q-Charging” / “S-Charging”).

4) “Output” : Displays the total output power of AC+DC+USB+UPS+LED. “AC on/off” , “DC on/off” and “USB on/off” : Displays the output power of the port.

“On-Grid info” : Provide four options for grid connection (200W/400W/600W/800W).

* When the MIG button is turned on , the AC output will be automatically turned off, and the DC and USB outputs and LED function will not be affected.

“LED” : Provides three different brightness and SOS function options. When the “Input” power > the “Output” power, the device icon is green. When the “Input” power ≤ the “Output” power, the device icon is blue.

4.2 DATA

This interface has three axes for counting solar power generation and electricity cost savings. The data for “Daily power generation” and “Cumulative power generation” come from solar power generation. The data for “Revenue statistics” come from solar power generation and the data in the “Electricity Price” column of the “Others” interface . 1) “Daily power generation” : Counts solar power generation per day. 2) “Cumulative power generation” : Counts solar power generation in week, month and year.

3) “Revenue statistics” : Counts the electricity cost savings by week, month and year. 7

4.3 MISCELLANEOUS

1) “ECO on/off”: Switch for the energy saving mode of the AC output. When the ECO function is on and the device continuously detects an AC output power ≤ the set “ECO power” within the set “ECO time” , the AC output will be automatically switched off to reduce battery loss (DC and USB outputs and the LED function are not affected).

“ECO power” : The AC output power when the AC output enters energy saving mode can be set. The default setting for “ECO power” is 5W.

“ECO time” : The continuous detection time before the AC output enters energy saving mode can be set.

* The ECO function can only be set when the device is not charging, otherwise it cannot be set.

2) “Device standby time” : The standby time before the whole device enters the shutdown state can be set. This function is only effective when the device is not charging and all outputs and LED function are turned off, otherwise it is invalid.

3) “Inverter standby time” :

The continuous detection time before the AC output enters the off state can be set. When the device continuously detects AC output power ≤ 3W within the set “Inverter standby time”, the AC output will be turned off automatically. This function is only effective when the device is not charging and not in UPS mode, otherwise it is invalid.

4) “DC standby time”: The continuous detection time before the DC and USB outputs go into the off state can be set. If the device continuously detects the output power of DC and USB ≤ 3 W within the set “DC standby time” , the DC and USB outputs will be turned off automatically.

* This function is only effective when the device is not charged, otherwise it is invalid.

5) “Electricity price”: Users can set the electricity price and the corresponding time according to the actual situation on site. The value of this setting determines the presentation of the data in the “Revenue statistics” table of the “Data” interface .

6) “Breathing light on/off” : The charging indicator light of the device can be turned on or off.

7) “MIG timing on/off” : The MIG timing function can be turned on or off. When this switch is turned on, the “MIG” symbol will appear and flash on the LCD display of the device. When the “MIG timing setting” is effective, this switch will turn on automatically.

8) “MIG timing setting” : The start time and end time of automatic grid connection can be set. After this setting takes effect, when the grid connection start time is reached, the “On-Grid info” in the output column of “Device” interface will automatically turn on and the device starts grid connection; when the grid connection end time is reached, the “On-Grid info” will automatically turn off and the device ends grid connection. The default grid connection power for “MIG timing” is 200W. * During the set period of automatic grid connection, please make sure the device is connected to the power grid and the power grid is in normal state for this function to work.

9) “Auto MIG SOC on/off” : The Auto MIG SOC function can be turned on or off. When this switch is on, the “MIG” icon will appear and flash on the LCD display of the device. When the “Auto MIG SOC setting” is effective, this switch turns on automatically.

10) “Auto-MIG-SOC setting” : In solar charging state, the capacity points for starting and ending Auto MIG can be set. After this setting takes effect, when the starting capacity for grid connection is reached, the “On-Grid info” in the output column of “Device” interface will automatically turn on and the device starts grid connection; when the ending capacity for grid connection is reached, the “On-Grid info” will automatically turn off and the device finishes grid connection. The default grid connection power for “Auto MIG SOC” is 200W. For example, set 95% start and 90% end: when the solar energy charges the device to 95%; when the capacity is ≤ 90%, the device will automatically turn off the MIG function and stop grid connection power.

* Within the set capacity range for automatic grid connection, please make sure the device is charged by solar energy and connected to the power grid, and the power grid is in normal condition for this function to work.

* When the setting “MIG timing” or “Auto MIG SOC” is set successfully the device enters the power connection waiting period and the “MIG” symbol appears and flashes on the device’s LCD. When the power connection takes effect, the “MIG” symbol remains on.

11) “AC charging timing on/off” : The AC charging timing function can be turned on or off. When the “AC charging timing setting” is effective, this switch will be turned on automatically.

12) “AC charging timing setting”: The start time and end time of AC charging can be set. After this setting takes effect, the “AC charging mode” in the input column of the “Device” interface will automatically turn on and the device will start AC charging; when the end time of AC charging is reached, the “AC charging mode” will automatically turn off and the device will stop AC charging. * Please make sure that the device is connected to the power grid during the set period of AC charging and the power grid is in the normal state for this function to work.

* AC charging timing and MIG timing cannot work at the same time. If both are enabled in the app, MIG timing will take precedence if the two periods overlap.

* “AC charging timing” and “Auto MIG SOC” cannot be used at the same time.

13) “Monitor brightness”: The brightness of the device’s LCD display can be adjusted using the options “Normal brightness” and “High brightness” .

5. UPDATE THE DEVICE SOFTWARE

The device app supports software updates. The software can provide functions optimization, performance improvement, bug fixes, etc. When the latest software version comes out, please update the software in time so that you can enjoy the software with better performance and a better user experience. Software update methods:

Method 1: After the device is connected successfully, enter the device control interface, if there is the latest software version, a software update window will pop up, you can click to agree to the update.

Method 2: Click “Me” in the lower right corner of the home page, click “Settings” , click “Device Upgrade” , and then select the corresponding device to upgrade the software.

6. FAQ

1. WHY COULDN’T THE DEVICE BE CONNECTED?

1) Please make sure your phone and device are within 3m.

2) Please check if Bluetooth and system location are enabled on your phone and if you have set the location permission for this app.

3) Please check if the Wi-Fi function is enabled on your device.

4) Your device may not have connected for more than 3 minutes after turning on the Wi-Fi function. Please turn the Wi-Fi function back on.

5) The Wi-Fi password you entered may be incorrect. Please re-enter the password.

6) Your device may be connected to a 5G WiFi, please connect to a 2.4G WiFi.

7) Your device may have been bound by another user. Please unbind and reconnect.

2. DOES THE TELEPHONE SYSTEM LOCATION HAVE TO BE SWITCHED ON AT ALL TIMES?

This is not necessary. The phone system location only needs to be enabled when binding the device, and it will not affect the app's control over the device if the phone system location is disabled after successful binding.

3. HOW DO I RENAME THE DEVICE?

Method (1): When the device is successfully connected to the network via "Detect Nearby Devices" or "Scan QR Code" , you can click the "Modify" icon in the pop-up interface to rename it.

Method (2): Long press the device icon in the "Device List" on the home page, select the device, and then click "Rename" to rename it.

Method (3): Enter the device control interface, click the "Setting" icon in the upper right corner, and then click "Device Name" to rename it.

4. HOW DO I UNBIND THE DEVICE?

Method (1): Long press the device icon in the "Device List" on the home page, select the device and then click "Delete" to unbind.

Method (2): Enter the device control interface, click the "Setting" icon in the upper right corner, and then click "Unbind" at the bottom to unbind.

Method (3): Press and hold the device's Wi-Fi button for 3 seconds to unbind.

5. HOW CAN I SHARE THE DEVICE WITH OTHER USERS TO CONNECT?

Method (1): Long press the device icon in the "Device List" on the home page, select and click "Share" , then a QR code will be displayed on the page and you can share it with another user.

Method (2): Enter the device control interface, click the "Setting" icon on the top right , and click "Device Sharing Management" . Then a QR code will be displayed on the page and you can share it with another user.

Thank you for reading. We hope you enjoy using your device.

Thanks for reading.

We wish you lots of fun with your device. Version: 1.0 / 240307

Documents / Resources

	Powerstation PS2048 Smart App Control [pdf] User Manual PS2048 Smart App Control, PS2048, Smart App Control, App Control, Control

References

- **User Manual**