



## INFINITY 1500 PORTABLE POWER STATION

USER GUIDE



## CATALOGUE

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## Important Safety Instructions

**Warning – Please read the instructions carefully before you use the product.**

**You must follow the precautions below when using this product.**

### Usage

- Read all the instructions before using the product.
- Do not put fingers or hands into the product.
- Do not stack any heavy objects on the product.
- To reduce risk of damage to the electric plug and cord, pull the plug rather than the cord when disconnecting the power pack.
- Please avoid impact, falls or severe vibrations when using the product. Do not use the product after it has been hit by a strong force or dropped from a height.
- Do not use wires or other metal objects to cause product short circuit.
- The use of unofficial component is strictly prohibited, which may result in a risk of fire, electric shock, or injury to persons. For replacement, please check the relevant purchase information on the Growatt official website (<https://www.growattportable.com>). Growatt is not responsible for product accidents and malfunctions caused by the use of products not officially provided by Growatt.
- Do not disassemble the product in anyway or pierce the product with sharp objects.
- Make sure the machine is turned off before installing or unplugging any modules of the machine, otherwise the power interface may be damaged.
- Avoid exposing the product to water. Do not immerse the product in water or get it wet. Do not use the product in rain or humid environment, otherwise the battery may catch fire or explode.
- If you accidentally drop the product into water while using it, please stay away from the product and keep it in a safe open area until the product is completely dry. The dried product should not be reused again and should be disposed of properly according to the disposal guide in this manual.
- Do not use the product in an environment of strong static electricity or magnetic field; otherwise, it may cause the product to malfunction or even serious damage.
- Do not place this product in a microwave or pressure cooker.
- The operating environment temperature of this product is from -20°C to 60°C. Using this product in a high temperature environment may result in a fire or explosion. Conversely, using the product at ultra-low temperature will seriously degrade the product performance and may cause the product to stop working.
- Do not use a battery pack or appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable dangers resulting in fire, explosion or risk of injury.
- If the product catches fire, it is recommended to use fire extinguishing equipment according to the following priorities: water or mist, sand, fire blanket, dry powder, carbon dioxide fire extinguisher.
- You may use a dry cloth to clean off the dirt on the product

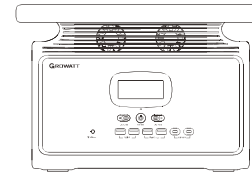
### Storage and Transportation

- Keep the product out of the reach of children and pets. If your child accidentally swallows product parts, seek for medical help right away.
- For long-term storage, keep the battery level between 30%-80% and store it indoors. If the battery of the product is in a low -power state for a long time, the battery will enter a deep sleep mode, and the battery may even be damaged in a serious low-power state. To wake the battery from deep sleep, please recharge the portable power station.
- Do not place the product near a heat source, such as in a fire or a heating furnace. The product should be stored in a dry environment. Do not place the machine in water or where it may leak.
- During transportation, please make sure that the power of the product is less than 30%.
- Do not store or transport this product with eyeglasses, watches, metal necklaces, hairpins, or other metal objects.

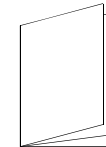
### Disposal Guide

- Be sure to completely discharge the machine battery before placing the machine battery in the designated battery recycling bin. Batteries are hazardous chemicals and should not be disposed of in ordinary trash cans. Follow local laws and regulations for battery recycling and disposal.
- Please dispose of over-discharged batteries that cannot be recharged.

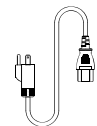
## Package Contents



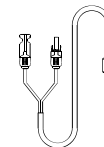
Infinity 1500 Portable Power Station



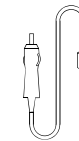
User Manual and Warranty Card



1.5m AC Charging Cable

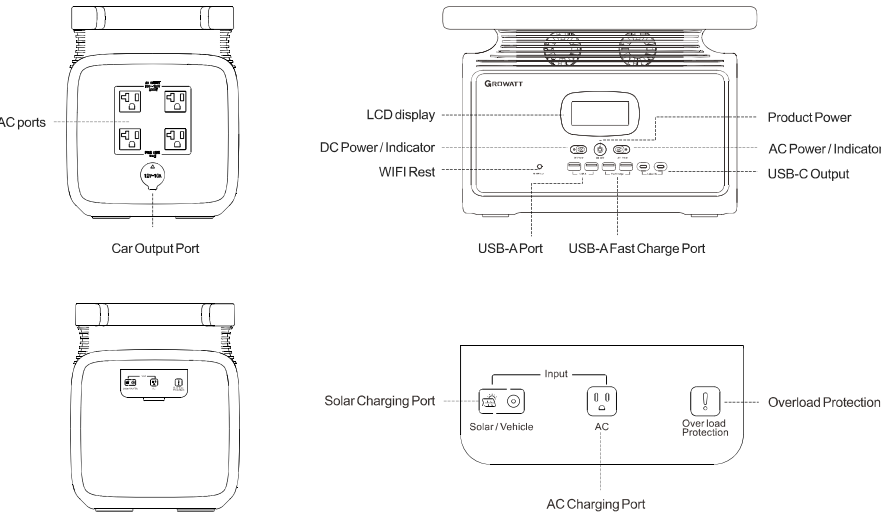


MC4 to XT60 Solar Panel Charging Cable

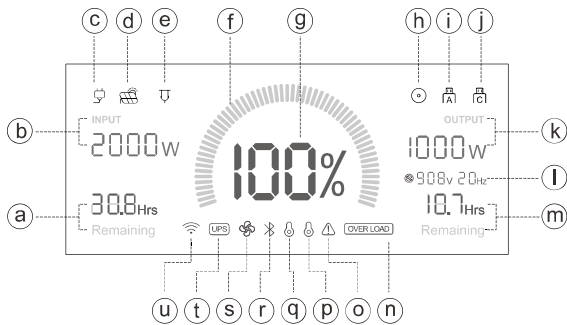


1.5m Car Charging Cable

Getting to Know the Infinity 1500



LED Display



|     | Indicators                   | Description                                                                                                                                                                              |
|-----|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| a   | Remaining Charge Time        | The remaining charging time calculated by the system based on the current power consumption, accurate to 0.1 hour.                                                                       |
| b   | Input Power                  | The total input power of wall charge, solar charge, and car charge.                                                                                                                      |
| c   | AC Input Indicator           | Infinity 1500 is being charged using the wall charger.                                                                                                                                   |
| d   | PV Input Indicator           | Infinity 1500 is being charged using the solar panels.                                                                                                                                   |
| e   | Car Input Indicator          | Infinity 1500 is being charged using the car charger..                                                                                                                                   |
| f&g | Remaining Battery Percentage | Displays the current remaining battery percentage in real time.                                                                                                                          |
| h   | Car Output Indicator         | Infinity 1500 is supplying power to external devices via the car output port.                                                                                                            |
| i   | USB-A Output Indicator       | Infinity 1500 is supplying power to external devices via USB-A port(s).                                                                                                                  |
| j   | USB-C Output Indicator       | Infinity 1500 is supplying power to external devices via USB-C port(s).                                                                                                                  |
| k   | Output Power                 | The total output power of DC, AC, and wireless charging.                                                                                                                                 |
| l   | Output Voltage and Frequency | Displays the current AC output voltage and frequency.                                                                                                                                    |
| m   | Remaining Discharge Time     | The remaining discharging time calculated by the system based on the current power consumption, accurate to 0.1 hour.                                                                    |
| n   | OVERLOAD Warning             | The current total output power is higher than 2000W, the AC output will be stopped for battery protection.                                                                               |
| o   | System Alert                 | The product is not working properly. Check the error codes in the appendix to understand the cause of the error and find the solution.                                                   |
| p   | High Temperature Warning     | The temperature of Infinity 1500 is too high. Please place the product in an open area for cooling.                                                                                      |
| q   | Low Temperature Warning      | The current battery temperature is low, and the charging efficiency will be reduced. Keep using the product, and the charging efficiency will return to normal as the temperature rises. |
| r   | Bluetooth Indicator          | The product is connected to Bluetooth and can be controlled remotely through the MyGro APP.                                                                                              |
| s   | Fan Status Indicator         | The fan is running to cool the product.                                                                                                                                                  |
| t   | UPS Indicator                | The product has turned on UPS mode to provide uninterrupted power to your devices.                                                                                                       |
| u   | Wi-Fi Indicator              | The product is connected to Wi-Fi and can be controlled remotely through the MyGro APP.                                                                                                  |

How to Use

Before use, please put Infinity 1500 on a clean and flat ground to ensure that the machine will not be in contact with liquid or tilted, and check whether there are foreign objects on the body.

Product ON/OFF

How to Recharge

Notice before charging.

- This product supports wall charging, solar panel charging, and car charging.
- This product supports charging and discharging at the same time.
- Do not use a charging cable not officially designated by Growatt for charging. Otherwise, Growatt will not be responsible

A) To turn on the Infinity 1500, long press the power button until the screen lights up.

B) To turn off the Infinity 1500, press and hold the power button until you hear a beep and observe the "OFF" prompts on the screen.

#### LCD Screen

C) Short press the DC power button to turn on the DC output supply (including all USB ports and car output port). You should hear a "beep" sound and observe that the DC power indicator lights up.

D) To turn off the DC output power, short press the DC power button. You should observe that the DC power indicator lights off.

When the output power of a single DC port exceeds the rated power below, the system will trigger an overload alarm and cut off the DC output.

The maximum output power of a USB-A port is 12W

The maximum output power of a Fast Charge USB-A port is 18W

The maximum output power of a USB-C port is 60W.

#### AC Power ON/OFF:

E) To turn on the AC output supply, short press the AC power button, and you will observe the AC power indicator lights on.

Wait for 5 seconds to activate the AC power supply, then you should be able to charge your equipment using AC output ports.

F) Long press the AC power button for 6 seconds to change AC frequency mode (50HZ/60HZ).

The total output power of the AC output ports is up to 2000W (the sum of the four ports). When the total output power exceeds the rated power, the product will trigger overload protection, cut off the AC output and prompt an overload alarm. Unplugging the AC load will clear the alarm and restore normal AC output.

#### Wireless Charging

G) Wireless charging is activated when the DC power is turned on. You can charge wirelessly by placing the device within the wireless charging range on top of the product.

This feature is only available for devices that support wireless charging. You can check the wireless charging status by looking at the LED indicators on the wireless charging panel.

**Slow breathing blue:** your device is being charged wirelessly.

**Flashing sky blue:** an error occurred during wireless charging

**Steady green:** wireless charging is ready, but no devices are detected.

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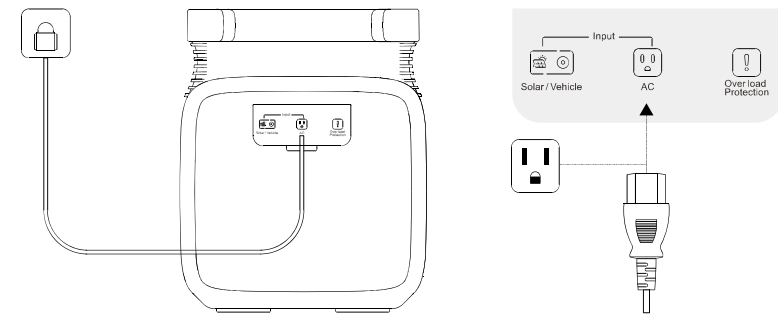
for any consequences.

- When charging, please make sure to place the machine away from liquids, flammables, and combustibles.
- If the product is charged immediately after full-load discharge, over-temperature protection may be triggered for battery safety reasons. It typically takes 2-3 hours for the product to cool down before another charge.
- The product's rechargeable temperature is 32F ( 0°C~40°C ) . Charging within the ideal charging ambient temperature 50F~82F(10°C~28°C) can greatly extend the battery life.

#### I) AC Charging and Car Charging

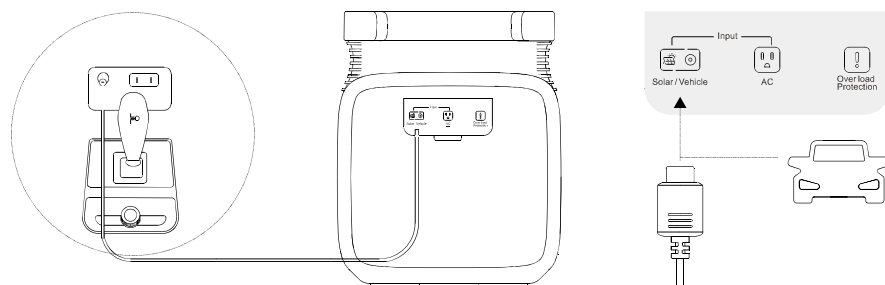
The charging ports for the INFINITY 1500 locate on the left side of the product. The charging port for the Infinity 1500 is on the left side of the product. Please follow the instructions below to connect and recharge the product.

##### a) AC Charging



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##### b) Car Charging



##### a) Connect with Growatt Solar Panels

You can charge the Infinity 1500 by connecting up to four 24V solar panels in series or using eight 12V solar panels (two sets in parallel with each set of 4 panels in series). Connect the MC4 connector on the solar panel to the MC4-XT60 adapter cable, and supply power to the Infinity 1500 through the XT60 port on the side of the Infinity. When you need to connect two solar panels, it is recommended to connect the two solar panels in parallel, and then use the MC4-XT60 adapter cable to connect to the Infinity 1500 for charging.

Connecting to four 24V/200W solar panels in series

## II) PV Charging

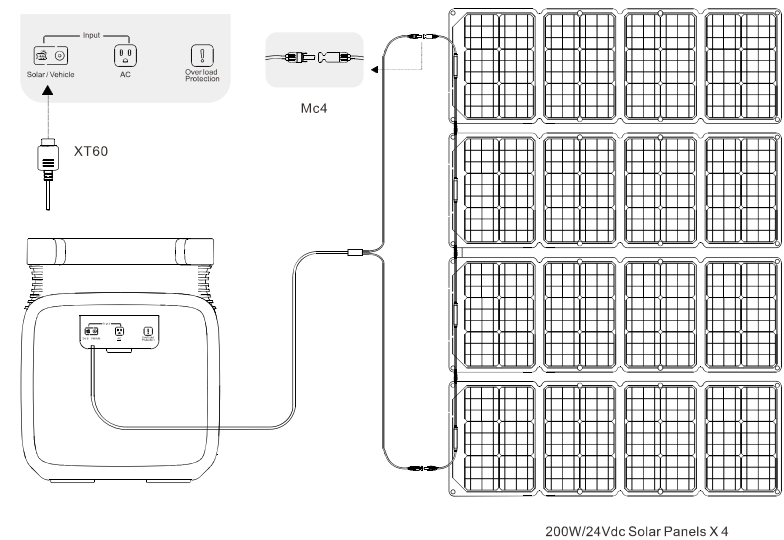
The series and parallel connection methods of solar panels will be explained here to ensure that you are connecting the solar panels correctly for charging. If the product is damaged due to incorrect connection not in accordance with the instructions, Growatt will not be responsible for the free maintenance of the machine within the warranty period.

The solar charging ports for the Infinity 1500 locate on the left side of the product.

The Infinity 1500 DC input range is 12V-100V. You must ensure that the input voltage is within the specified range. When the input voltage exceeds 100V, the excessive voltage may cause damage to the product, and the Infinity 1500 will trigger overvoltage protection.

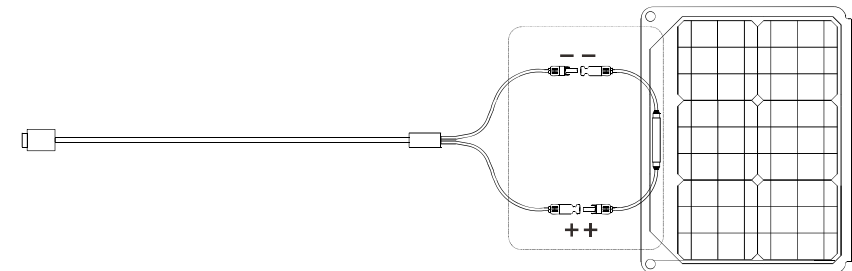
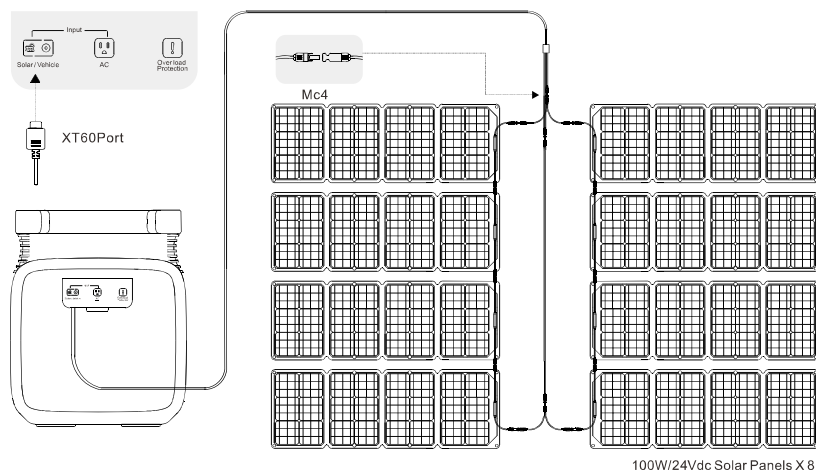
- This product supports AC and solar panel charging at the same time. The solar charging method is preferred, and the AC charging method is used to supplement when the PV input power is insufficient.

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### Connecting to eight 24V/100W solar panels (two sets in parallel with each set of 4 panels in series)



## Instructions for Advanced Features

### I) UPS (Uninterruptible Power Supply)

The Infinity 1500 supports UPS (Uninterruptible Power Supply) function. In UPS mode, the AC power comes from the grid, not the battery. When the power grid is cut off, Infinity 1500 will automatically switch to battery power supply mode within 20ms, providing high stability power supply for your load.

#### a) UPS Use Guide

When using wall charging as the input method, turning on the AC output and plugging in devices on AC ports will

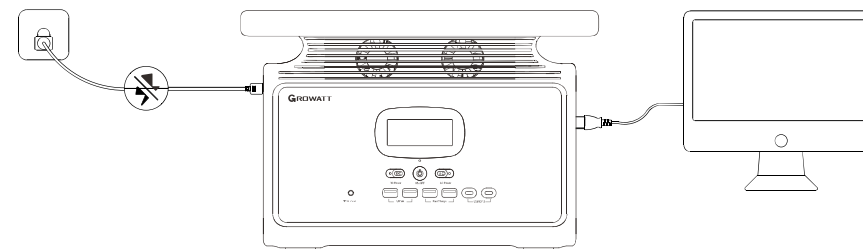
#### a) Connect with Other Branded Solar Panels

Users can purchase other brands of solar panels (supporting MC4 Connector) to power the Infinity 1500 through their own channels. As long as the voltage and current are within the DC input range of Infinity 1500 (10-100V 12AMax), users can charge Infinity 1500 through the MC4 to XT60 adapter cable.

Please follow the figure below to connect the positive and negative poles. Incorrect connection may result in damage to the product. During the warranty period, if the product is damaged due to quality problems of the third-party solar panels or improper operation, Growatt is not responsible for free maintenance during the warranty period.

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automatically activate the UPS mode. Please connect the device according to the figure below to enable the UPS function.



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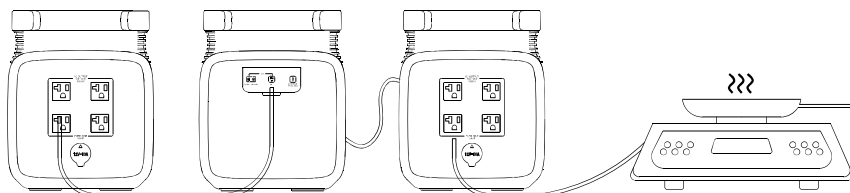
#### b) Precautions before using the UPS feature

- This function is a non-professional UPS function and does not support 0ms switching. Please do not connect it to equipment that is highly sensitive to uninterrupted power supply, or perform multiple tests before use.
- UPS only supports the use of electrical appliances below 2200W, and do not use other devices at the same time during use to avoid OVERLOAD protection.
- UPS function is only supported when one Infinity 1500 is running independently, and it is not available when multiple Infinity 1500s work in series.
- Growatt is not responsible for equipment failure or loss of data if the instructions are not followed.

#### II) Multi-unit Expansion in Series

You can use AC adapters to connect up to three Infinity 1500s in series to get a larger battery capacity. When you use this expansion method, you will need to define one of the units as the master and the rest as slaves. You need to connect the AC output port of the master unit to the AC input port of Slave 1, then connect the AC output port of Slave 1 to the AC input port of Slave 2, then plug the load device into the AC output port of Slave 2 (as shown in the figure below), and finally turn on the AC output power of all Infinity 1500 to enable battery expansion.

When using this expansion method, make sure that each unit is fully charged, otherwise an overload protection will be triggered. After use, it is recommended to charge each unit separately to avoid excessive burden on the home grid.



### How to connect to APP

#### I) Binding the Product with Your Device

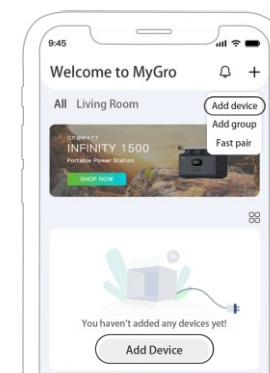
When the product is connected to the APP for the first time, you need to use Bluetooth pairing for network configuration. Please get as close as possible to the product and make sure the phone is within the Bluetooth coverage of the device.

1. Download “MyGro” APP from App Store or Google Play. Or you may download it from the official website <http://www.growattportable.com> (For first-time users, you need to follow the instruction and complete account registration on the APP).

2. You may choose either of the following ways to connect your portable power station:

##### Remote WiFi Connection

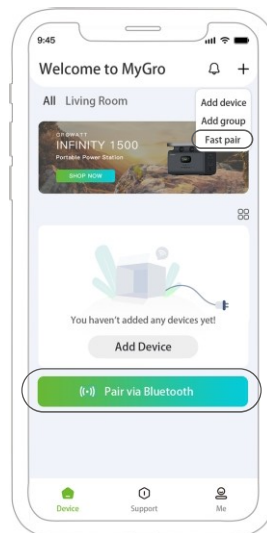
- Go to the **Device** page and click **Add Device**. Or select the “+” button at the top right of the page, then select **Add Device**.
- Short press the **WiFi Reset** button to send Bluetooth & WiFi signals and connect with your mobile devices.
- Follow the instruction on the APP and finish the rest of settings.





### Local Bluetooth Control

- Go to the **Device** page and click **Pair via Bluetooth**. Or select the "+" button at the top right of the page, then select **Fast Pair**.
- Short press the **WiFi Reset** button to send Bluetooth & WiFi signals and connect with your mobile devices.
- Follow the instruction on the APP and finish the rest of settings.



- Once you complete the connection setup, you may remotely control your portable power station through local connection (Bluetooth) or remote connection (WiFi).

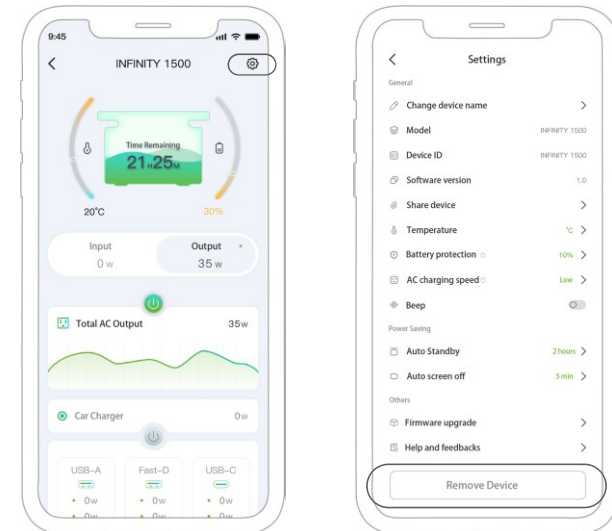
### II) Re-binding the product with New Mobile Devices.

If the device is already bound to a mobile device, you need to unbind the product from the current device before rebinding it to the new mobile device. After rebinding, you can use the new mobile device to remotely control the product.

- Unbind from the existing device.

*Method 1: Unbind using APP*

- Go to **Device**, select the product from the device list to enter the product details, and then click to enter the setting page.
- Click **Remove Device** and confirm.



*Method 2: Reset Bluetooth/WiFi to unbind*

- Press and hold the WiFi Reset button on the device for 3 seconds until you hear a beep. The device binding record is cleared successfully.
- After successfully unbinding the device, please log in to the APP on the new mobile device to bind the device. (Please refer to the steps in **I. Binding the Product with Your Device**)

### III) Use multiple mobile devices to control the product

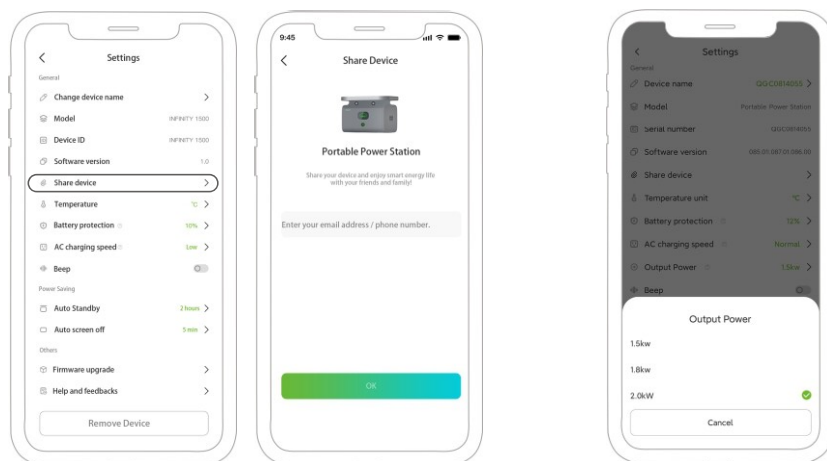
If multiple users need to remotely control the product, the master account needs to authorize other myGro accounts to allow other mobile devices to control the product.

1. Go to **Device**, select the product from the device list to enter the product details, and then click the  to enter the setting page.
2. Select **Share device**, enter the account ID of the device to be shared, and send a binding invitation.
3. After the invited account accepts the invitation, the device is shared successfully.

\* If the master account unbinds the device, the associated shared account will be unbound simultaneously, and the device cannot be controlled remotely.

### IV) Modifying your device power output

The default power output is set to be 1800W, and it's allowed to be modified to a maximum of 2000W in the app as illustrated below. Maximizing your power output will cause extra heat which requires a faster fan speed for better cooling.



III) Use multiple mobile devices to control the product

IV) Modifying your device power output

## How to Use

### General

|            |                                  |
|------------|----------------------------------|
| Model      | Infinity 1500                    |
| Capacity   | 1512Wh,30Ah                      |
| Dimensions | 16.5*9.1*11.3in(418.7*230*287mm) |
| Net Weight | 36.38 lbs(16.5Kg)                |

### Input Ports

|          |                          |
|----------|--------------------------|
| AC Input | 100-120V~,60Hz,1500W MAX |
| DC Input | 12V/24V,12A MAX          |

### Output Ports

|                       |                                          |
|-----------------------|------------------------------------------|
| AC Output (X4)        | 100V~120V, 60Hz, 2000W Max.(Surge 4000W) |
| Car Charger(X1)       | 13.6V/10A,136W MAX                       |
| USB-A (X2)            | 5V/2.4A,12W MAX                          |
| USB-A Fast Charge(X2) | 5V/2.4A,9V/2A,12V/1.5A                   |
| Type-C(X2)            | 5V,9V,12V,15V,20V/3A 60W MAX             |
| Wireless Charging     | 5/7.5/10/15W                             |

### Battery Information

|                         |                   |
|-------------------------|-------------------|
| Battery Type            | Lithium-ion       |
| Lifecycle               | >800cycles to 60% |
| Charging Temperature    | 0~45°(32~113°F)   |
| Discharging Temperature | -20~60°(-4~140°F) |

## FAQ

### **Can I take Infinity 1500 on a plane?**

No, you can't. This product is a lithium battery product. According to international air transport regulations, lithium battery products exceeding 100Wh cannot be carried on the plane.

### **Why does the Infinity 1500 not work properly when the total output power of the device is within the rated power of the Infinity 1500?**

First, please check whether the power of the product is too low, and charge the product in time. Secondly, check that the instantaneous power of the equipment exceeds the instantaneous peak power of Infinity 1500. If so, you should use Growatt higher power products.

### **Why does the Infinity 1500 make noise when in use?**

The product adopts an air cooling system, and the built-in fan helps the product to dissipate heat. A slight noise when the product is in use is normal.

### **Will Infinity 1500 automatically shut down?**

Infinity 1500 supports power saving function. By default, the LCD display will turn off after 5 minutes of inactivity, and will automatically shut down after another 2 hours of inactivity. You can change the automatic screen-off and automatic shutdown time via MyGro APP.

### **How to clean Infinity 1500?**

If the Infinity 1500 needs to be cleaned, please wipe it with a dry, non-abrasive cloth or use a special cleaner for LCD screens to achieve better cleaning results. Do not let water enter the inside of the product, which may cause damage to the circuit or parts!

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## Error Codes

| Indicators                                                                                                | Problem                    | Description                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>A00</b>            | System Alert               | Restart the portable power supply. If the problem persists after several attempts, please contact Growatt Customer Service for repair.                                                                                                      |
|  <b>A01</b>            | Fan Blockage               | Please check if the fan is blocked. If there is a blockage, please turn off the machine and remove the blockage, then restart the product to return to normal. If the problem persists, please contact Growatt Customer Service for repair. |
|  <b>A02</b>            | High Temperature Warning   | Turn off the product and place it in an open area for 2-3 hours. After cooling, the product will continue to work normally.                                                                                                                 |
|  <b>OVERLOAD A03</b>   | Inverter Overload          | The AC output is overloaded. Unplug the load(s) on the AC output port(s) and keep the total AC output power within 2000W to resume normal operation. Overloading for a long time may cause damage to the product.                           |
|  <b>A04</b>            | Low Battery Voltage        | The battery voltage is too low. Please recharge the battery in time.                                                                                                                                                                        |
|  <b>A05</b>            | PV Over Voltage            | PV input voltage is too high. Please check the status of the solar panel. If the output voltage of the solar panel is normal, please contact Growatt Customer Service for repair.                                                           |
|  <b>A06</b>            | USB Output Overload        | Please check the output power of your USB devices. Remove your USB device(s) if the output exceeds the maximum output of the USB port(s).                                                                                                   |
|  <b>OVERLOAD A07</b>   | Product Overload           | The Infinity 1500 is overloaded. Unplug part or all of the loads and keep the total output within 2400W to resume normal operation.                                                                                                         |
|  <b>A08</b>            | PV board over temperature  | Disconnect the solar panels from the portable power station to resume normal operation.                                                                                                                                                     |
|  <b>A09</b>            | Discharge Over Temperature | Turn off the product and place it in an open area for 2-3 hours. After cooling, the product will continue to work normally.                                                                                                                 |
|  <b>A10</b>            | High Battery Temperature   | Turn off the product and place it in an open area for 2-3 hours. After cooling, the product will continue to work normally.                                                                                                                 |
|  <b>A11</b>            | Low Battery Temperature    | Keep discharging the power station, the temperature will rise and the product will resume normal status. If the error persists, contact Growatt Customer Service for repair.                                                                |
|  <b>A02</b>            | Car charging overcurrent   | Please check whether the input meets the specification of car charging. Remove the car charger to resume normal operation.                                                                                                                  |
| <b>F00</b>                                                                                                | System Failure             | Restart the portable power supply. If the problem persists after several attempts, please contact Growatt support team for repair.                                                                                                          |
| <b>F01</b>                                                                                                | Output Short Circuit       | Please check if there is a problem with the output loads. Remove the loads to resume normal operation. If the problem persists, please contact Growatt Customer Service for repair.                                                         |
|  <b>F02</b>          | Product Over Temperature   | Turn off the product and place it in an open area for 2-3 hours. After cooling, the product will continue to work normally.                                                                                                                 |
|  <b>OVERLOAD F03</b> | Inverter Overload          | Please make sure the total output power is within the acceptable range. Remove the excess loads to resume normal operation. If the problem persists, contact Growatt Customer Service for repair.                                           |

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## Troubleshooting

| Indicators | Troubleshooting                                            | Description                                                              |
|------------|------------------------------------------------------------|--------------------------------------------------------------------------|
|            | 1. Check if the charging cable is not plugged in properly. | Double check that the interface of the charging cable is in good contact |

## FCC COMPLIANCE STATEMENT:

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential

|                                          |                                                                                                         |                                                                                                                                               |
|------------------------------------------|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Unable to recharge<br>Infinity 1500      | 2.Please check whether the Overload Protection button (next to the input ports) is in the pop-up state. | Press the overload protection button.                                                                                                         |
|                                          | 3.Didn't find any of the problems above.                                                                | Contact Growatt Customer Service for repair.                                                                                                  |
| Infinity 1500 is not powering my devices | 1.Check if the load(s) is not plugged in properly.                                                      | Please make sure the load(s) is in good connection with the output port(s).                                                                   |
|                                          | 2.Please check the AC/DC power indicator and see if the output power is not turned on.                  | Press the AC/DC power button to turn on AC/DC output supply. You should see the AC/DC indicator lights up once the output power is turned on. |
|                                          | 3.Please check if the battery is too low.                                                               | Please recharge the INFINITY 1500 in time.                                                                                                    |
|                                          | 4.Please check if the device's startup power exceeds the surge peak of Infinity 1500.                   | Please choose a model with a higher rated power.                                                                                              |
|                                          | 5.Didn't find any of the problems above.                                                                | Contact Growatt Customer Service for repair.                                                                                                  |

provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

**Warning:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

#### FCC Radiation Exposure Statement

The device has been evaluated to meet general RF exposure requirements.

The device can be used in mobile (min 20cm) exposure condition.