RENOGY

PHOENIX 500

Portable Power Station

Version A0

APPLICABILITY

The User Manual applies to the following product:

● PHOENIX 500 Portable Power Station (RPS5080AA-PCS)

DISCLAIMER

● Renogy makes no warranty as to the accuracy, sufficiency, or suitability of information in the User Manual because continuous product improvements are going to be made.

● Renogy assumes no responsibility or liability for losses or damages, whether direct, indirect, consequential, or incidental, which might arise out of the use of information in the User Manual.

● Renogy is not responsible or liable for the failures, damages, or injuries resulting from repair attempted by unqualified personnel or improper installation and operation.

● The illustrations in the User Manual are for demonstration purposes only. Details may appear slightly different depending on product revision and market region.

● Renogy reserves the right to change the information in the User Manual without notice.

COPYRIGHT

PHOENIX 500 Portable Power Station User Manual © 2022 Renogy. All rights reserved.

All information in the User Manual is subject to copyright and other intellectual property rights of Renogy and its licensors. The User Manual may not be modified, reproduced, or copied, in whole or in part, without the prior written permissions of Renogy and its licensors.

TRADEMARKS

The following are trademarks or registered trademarks of Renogy in the United States and other countries:

RENOGY	**RENOGY**

All other trademarks in the User Manual are the property of their respective owners and their use herein does not imply sponsorship or endorsement of their products or services. The unauthorized use of any trademark displayed in the User Manual or on the product is strictly prohibited.

⚠ <u>Important Safety Instructions</u> ⚠

Please save these instructions.

The User Manual provides important operation and maintenance instructions for PHOENIX 500 Portable Power Station. Please read the User Manual carefully before operation and save it for future reference. Failure to observe the instructions or precautions in the User Manual can result in electrical shock, serious injury, or death, or can damage PHOENIX, potentially rendering it inoperable.

■ Symbols Used

The following symbols are used throughout the User Manual to highlight important information.

WARNING Indicates a potentially dangerous condition which could result in injury or death.

CAUTION Indicates a critical procedure for safe and proper installation and operation.

NOTE Indicates an important step or tip for optimal performance.

■ General Safety Information

WARNING

- DO NOT immerse PHOENIX in water or leave it out in the rain.
- DO NOT puncture, drop, crush, penetrate, shake, strike, or step on PHOENIX.
- DO NOT open, dismantle, repair, tamper with, or modify PHOENIX.
- DO NO insert foreign objects into the casing or outlets of PHOENIX.
- Please remove all connections and turn PHOENIX off before cleaning it.
- DO NOT expose PHOENIX to direct flame.
- Please keep PHOENIX away from flammable or combustible materials.
- Please keep PHOENIX away from heating equipment.
- DO NOT touch the exposed electrolyte or powder if PHOENIX is damaged.
- DO NOT use PHOENIX with life support equipment or other medical equipment.
- Please keep PHOENIX out of the reach of young children.
- DO NOT dispose of PHOENIX as household waste. Please recycle PHOENIX in accordance with local, state, and federal regulations.
- Please inspect PHOENIX before each use. Stop using PHOENIX if any visible damages including cracks, dents, and deformation or abnormalities including unusual smells and heating are observed.
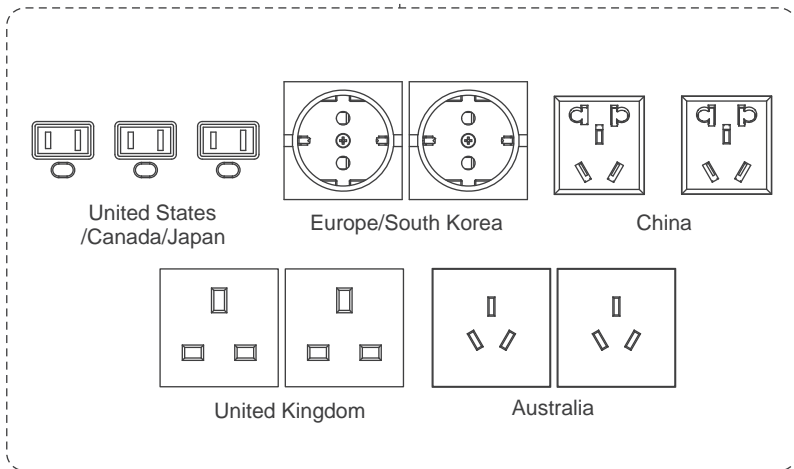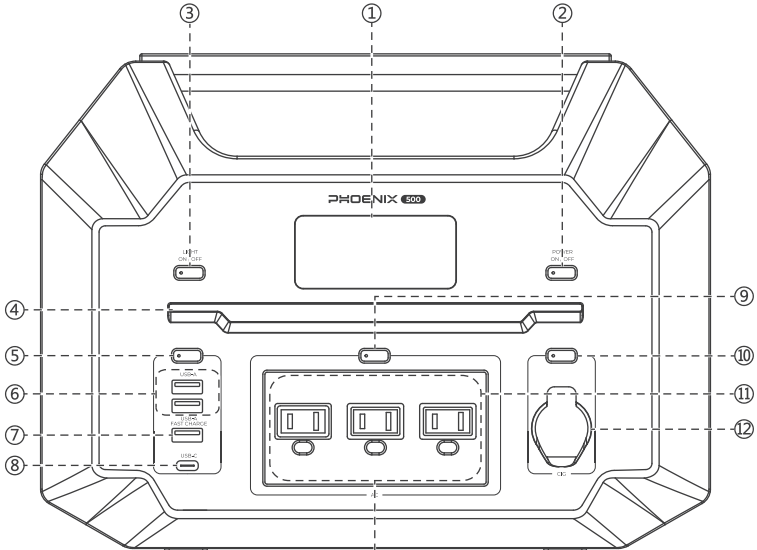
CAUTION

- Please use PHOENIX in accordance with its input and output specifications.

- DO NOT expose PHOENIX to flammable or harsh chemicals or vapors.

- DO NOT expose PHOENIX to strong electrostatic fields, strong magnetic fields, or radiation.

- Please ensure that no water sources including downspouts, sprinklers, or faucets are above or near PHOENIX.

- Please ensure that snow does not accumulate around PHOENIX.

- DO NOT lean on, stack anything on top of, or hang anything from PHOENIX or from cables leading to PHOENIX.

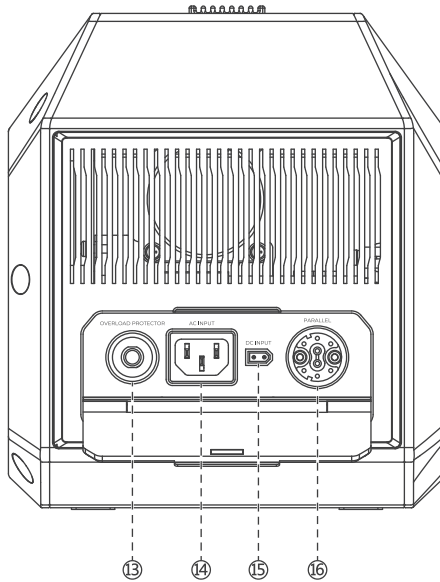- Please ensure that PHOENIX is securely fastened during transportation.

Table of Contents

Product Overview

Identification of Parts

United States /Canada/Japan

Europe/South Korea

China

United Kingdom

Australia

① LCD Display

② Power On/Off Button

③ Light On/Off Button

④ LED Strip Lights

⑤ USB On/Off Button

⑥ USB-A Ports

⑦ USB-A Fast Charge Port

⑧ USB-C Port

⑨ AC On/Off Button

⑩ CIG On/Off Button

⑪ AC Outlets

⑫ CIG Port

⑬ Overload Protector

⑭ AC Inlet

⑮ DC Input Port

⑯ Parallel Outlet
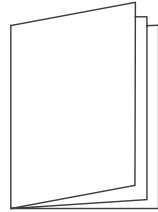
■ **Package Content**
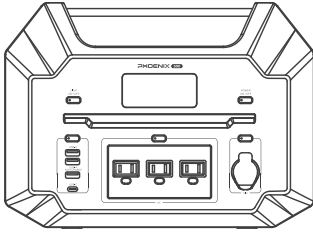
PHOENIX 500
Portable Power Station

AC Power
Cable

Solar Charge Cable

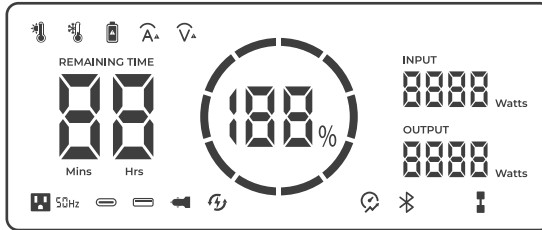Car Charge Cable

User Manual

LCD Display

Icon	Name	Description
	Battery Level	Indicates the current battery level. As the PHOENIX charges, the ring will light up clockwise with the increasing percentage, and the endmost ring segment will fast flash. Once PHOENIX is fully charged, all the ring segments will light up and remain solid. As the PHOENIX discharges, the ring will go out counterclockwise. When the battery level drops below 10%, the last ring segment will slow flash.
	Input Power	Indicates the amount of power going into PHOENIX.
	Output Power	Indicates the amount of power going out of PHOENIX.
	Remaining Time	Indicates the amount of time before PHOENIX is completely charged or discharged. When PHOENIX idles, the remaining time will show 99 hours.
	AC Outlet Status	Indicates the on/off status and output frequency of the AC Outlet(s).
	USB-C Port Status	Indicates the on/off status of the USB-C Port.
	USB-A Port Status	Indicates the on/off status of the USB-A Ports and USB-A Fast Charge Port.

Icon	Name	Description
	CIG Port Status	Indicates the on/off status of the CIG Port.
	SPS Mode Status	Indicates the on/off status of the SPS mode
	iBoost Mode Status	Indicates the enable/disable status of the iBoost mode. When the iBoost mode takes effect, the icon will slow flash.
	Bluetooth Status	Indicates the connection status of the Bluetooth.
	WiFi Status	Indicates the connection status of the WiFi.
	Single Phase Parallel Mode Status	Indicates the on/off status of the single phase parallel mode. When the single phase parallel mode is initializing, the icon will slow flash.
	High Temperature Protection	Indicates the protection related to high temperatures.
	Low Temperature Protection	Indicates the protection related to low temperatures.
	Battery Protection	Indicates the protection related to the internal battery.
	Current Protection	Indicates the protection related to current.
	Voltage Protection	Indicates the protection related to voltage.

CAUTION

• PHOENIX might need special attention if the [High Temperature Protection], [Low Temperature Protection], [Battery Protection], [Current Protection], or [Voltage Protection] icon appears. Please refer to the Troubleshooting section for detailed instructions.

Operation

■ **Turning On/Off**

● Short press the Power On/Off Button to turn on PHOENIX. The LCD Display will light up to display the operating status of PHOENIX.

● Long press the Power On/Off Button for 3 seconds to turn off PHOENIX. The LCD Display will go out.

■ **DC Home Connection**

NOTE

● It is required to turn on PHOENIX before connecting it to the DC Home app.

Setting Up

● Scan the QR code to download the DC Home app.

● Open the DC Home app. Click "Sign Up" to sign up for a new account.

Bluetooth Connection

- Turn on the Bluetooth on the phone or tablet.
- Click "+" on the top right corner to search for PHOENIX.
- Click "Confirm" on the pop-up menu to add PHOENIX to the device list.
- Monitor and program PHOENIX on the DC Home app.
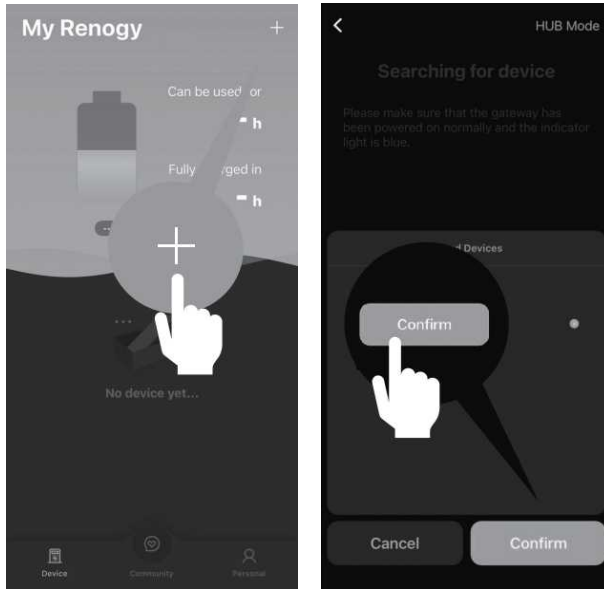
NOTE

- Please keep the phone or tablet within 65.6 feet (20 m) of PHOENIX.

WiFi Connection

- Turn on the WiFi and Bluetooth on the phone or tablet.
- Click "+" on the top right corner to search for PHOENIX.
- Click "Confirm" on the pop-up menu to add PHOENIX to the device list.
- Click "Configure Now" on the pop-up window to configure the WiFi network.
- Select a nearby WiFi network.
- Enter the WiFi password. Click "Connect" to connect PHOENIX to the WiFi network.
- Monitor and program PHOENIX on the DC Home app from anywhere with the internet access.
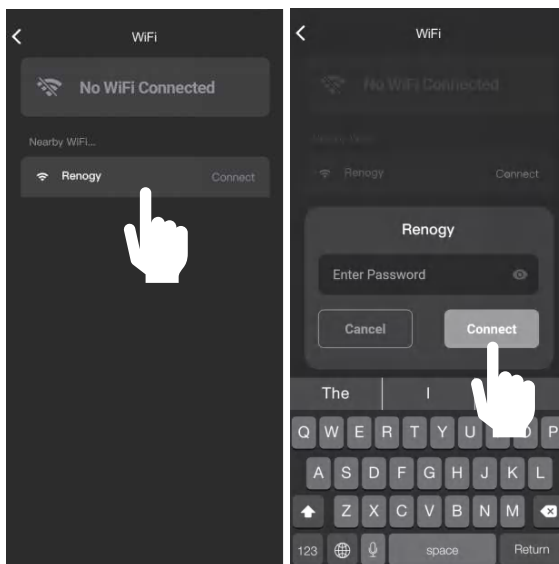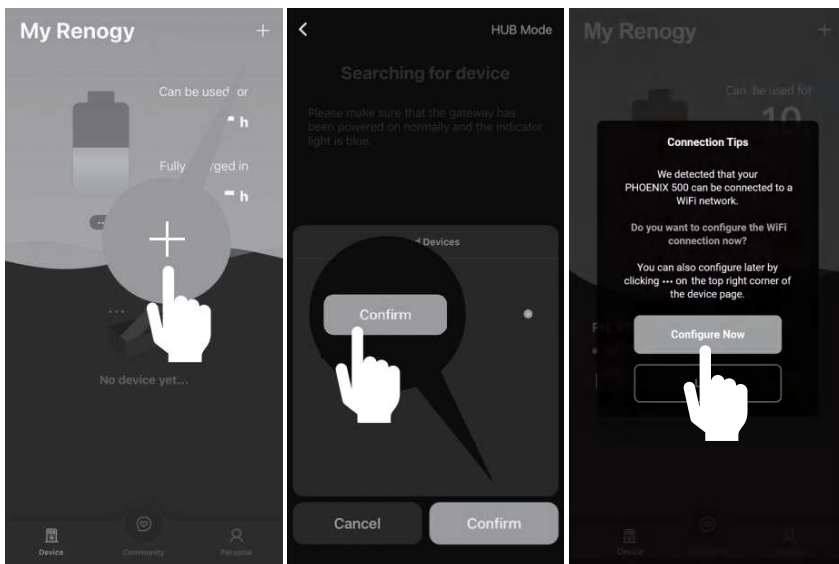
- PHOENIX only connects to the 2.4GHz WiFi network.

■ **Charging**

- DO NOT charge PHOENIX at high temperatures above 113°F (45°C) or low temperatures below 32°F (0°C). The recommended charge temperature range is between 32°F (0°C) and 104°F (40°C).

- DO NOT use damaged accessories to charge PHOENIX as it might cause electric shock.

CAUTION

- ONLY use Renogy approved accessories to charge PHOENIX.

- DO NOT charge PHOENIX immediately after a long heavy run.

- Please charge PHOENIX immediately when the battery level drops below 10% to prevent overdischarge.

NOTE

- To extent the cycle life, please fully charge PHOENIX before each use.

- It is not required to turn on PHOENIX manually before charging. PHOENIX turns on automatically once it detects the charging source(s).

PHOENIX features 3 charging methods – solar, AC, and car.

Solar Charging

- Place a solar panel (sold separately) under direct sunlight. Steer clear of objects that can shade the solar panel and slow down the charging process.

- Connect the DC Input Port of PHOENIX to the solar connectors of the solar panel with the included solar charge cable. PHOENIX will start charging automatically.

- Multiple solar panels can be connected in series for a higher power rating.
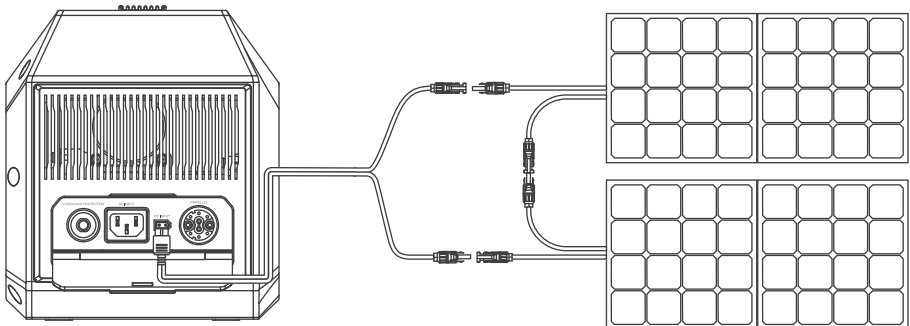
- The operating voltage of the solar panel array shall exceed 10V, and the open circuit voltage shall NOT exceed 50V.
- Please ensure that the solar panels are of the same type and ratings and under similar conditions.

- PHOENIX automatically limits the input power. It is allowed and recommended to charge PHOENIX with a solar panel array rated above 200W to account for the energy conversion loss.
- For optimal charging performance, it is recommended to charge PHOENIX with the solar panel array on bright sunny days free of clouds.
- The solar charge time is highly dependent on the solar irradiance and the ambient temperature.

AC Charging

- The iTurbo technology enables PHOENIX to be charged up to 80% within 1 hour.
- Connect the AC Inlet of PHOENIX to a wall outlet with the included AC Power Cable. PHOENIX will start charging automatically.
- The charging speed is set to fast by default. It can be reduced on the DC Home app for a quieter charging experience.
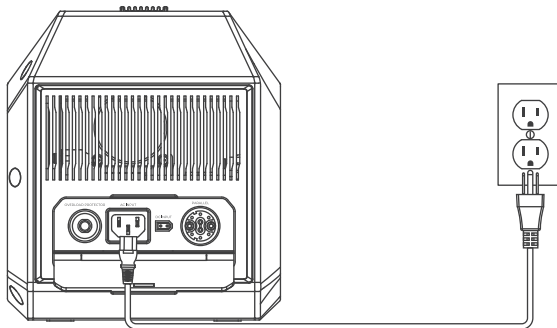
Car Charging

● Start the car engine.

● Connect the DC Input Port of PHOENIX to the CIG port in the car with the included Car Charge Cable. PHOENIX will start charging automatically.

■ **Powering Devices**

WARNING

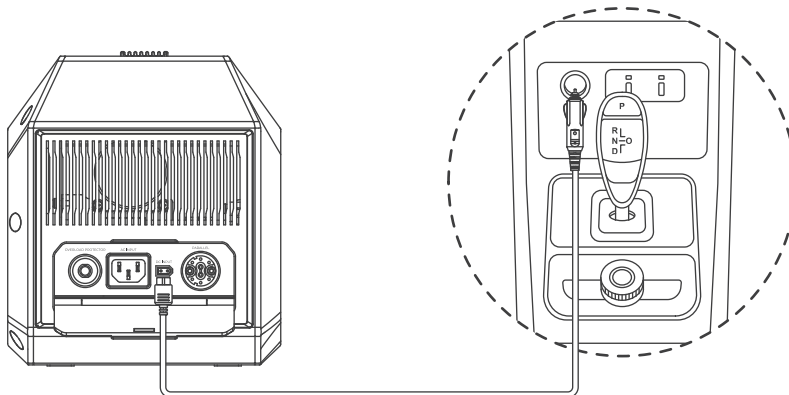• DO NOT discharge PHOENIX at high temperatures above 131°F (55°C) or low temperatures below -4°F (-20°C). The recommended discharge temperature range is between -4°F (-20°C) and 104°F (40°C).

CAUTION

● PHOENIX can provide a total output power of up to 1050W. Please allocate the output power rationally. DO NOT overload PHOENIX.

● DO NOT connect high power devices to PHOENIX when it is running low.

NOTE

• It is required to turn on PHOENIX before powering devices.

• When the PHOENIX is overloaded, it will turn off the USB-A Ports, USB-A Fast Charge Port, and USB-C Port, CIG Port, and AC Outlets in sequence until the total output power drops below 1050W.

• PHOENIX might not be able to deliver exact 495Wh energy when powering high power devices

PHOENIX provides 5 kinds of output ports for the devices – USB-A, USB-A fast charge, USB-C, CIG, and AC.

USB-A/USB-C Devices

• Short press the USB On/Off Button with PHOENIX on to turn on the USB-A Ports, USB-A Fast Charge Port, and USB-C Port. Connect the devices to the USB-A Ports, USB-A Fast Charge Port, or USB-C Port to start powering the devices.

• Long press the USB On/Off Button for 3 seconds to turn off the USB-A Ports, USB-A Fast Charge Port, and USB-C Port. The USB-A Ports, USB-A Fast Charge Port, and USB-C Port will stop powering the devices.

• The USB-A Ports and USB-A Fast Charge Port can power most USB-A devices including smart watch, electronic book, smartphone, tablet, action camera, digital camera, Bluetooth speaker, wireless headphone, and drone.

• The USB-C Port can power most USB-C devices including smartphone, tablet, laptop, hand-held game console, and DSLR camera.

NOTE

• To get up to 18W output power from the USB-A Fast Charge Port, the USB-A device must support the Quick Charge (QC) standard.

• To get up to 100W output power from the USB-C Input/Output Port, the USB-C device must support the Power Delivery (PD) standard.

Car Powered Devices

• Short press the CIG On/Off Button with PHOENIX on to turn on the CIG Port. Connect the device to the CIG Port to start powering the device.

• Long press the CIG On/Off Button for 3 seconds to turn off the CIG Port. The CIG Port will stop powering the device.

• The CIG Port can power most car powered devices including portable refrigerator, car vacuum, car air fan, and CPAP machine.

AC Devices

• Short press the AC On/Off Button with PHOENIX on to turn on the AC Outlets. Connect the devices to the AC Outlets to start powering the devices.

• The output frequency of the AC Outlets can be switched between 50Hz and 60Hz on the DC Home app.

• Long press the AC On/Off Button for 3 seconds to turn off the AC Outlets. The AC Outlets will stop powering the devices.

• The AC Outlets can power most AC devices rated under 800W including laptop, desktop computer, TV, game console, full-size refrigerator, freezer, projector, and portable heater.

• The iBoost mode allows the AC outlets to power most resistive AC devices rated between 800W and 1600W including hair dryer, electric kettle, coffee machine, toaster, space heater, and electric iron.

• The iBoost mode is enabled by default. It can be enabled or disabled manually on the DC Home app.

- Please select the output frequency of the AC Outlets in accordance with the device specifications. Inappropriate output frequency might damage the device.
- Please allow at least 4 inches (101.6 mm) of space on both sides of PHOENIX for efficient heat dissipation when the AC Outlets are in use.

- PHOENIX might not be able to power the AC devices that require high starting currents even though they are rated under 800W.
- The iBoost mode is not applicable for the inductive and capacitive AC devices with strict voltage limits.

Standby Power Supply (SPS)

- It is not required to turn on PHOENIX manually before using it as a SPS. PHOENIX turns on automatically once it is connected to a wall outlet.

PHOENIX can work as a SPS to deliver emergency AC power to the devices during a power outage.

- Connect the AC Inlet of PHOENIX to a wall outlet with the included AC Power Cable.
- Short press the AC On/Off Button to turn on the AC Outlets.
- Connect the devices to the AC Outlets. The SPS mode will be turned on automatically with the devices powered by the AC power from the wall outlet.
- In the case of a power outage, PHOENIX will deliver emergency AC power to the devices with a transfer time less than 20ms.
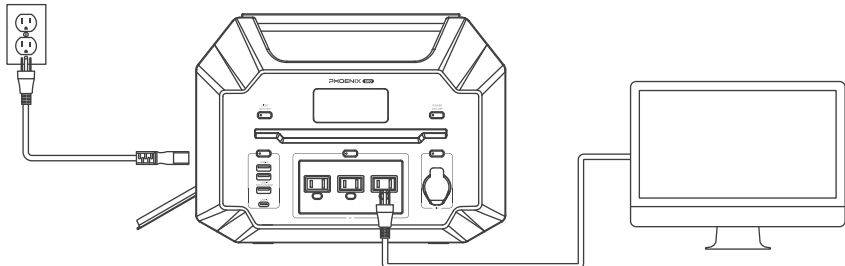
- DO NOT connect AC devices rated over 800W to PHOENIX for emergency AC power.
- DO NOT connect AC devices that require a transfer time less than 20ms including data server and workstation to PHOENIX for uninterrupted AC power. Please check the holdup time of the

power supply units (PSU) in the AC devices to confirm the compatibility.

NOTE

• The iBoost mode will be automatically disabled when the SPS mode is turned on.

Parallel Connection

NOTE

• It is required to turn on PHOENIXes before connecting them in parallel.

The iStack technology allows two PHOENIXes to be connected in parallel to deliver 990Wh capacity and 1440W AC output.

Single Phase Parallel

• Short press the AC On/Off Button with PHOENIX on to turn on the AC Outlets.

• Connect the Parallel Outlets of two PHOENIXes with a single phase parallel kit (sold separately). The single phase parallel mode will be turned on after a few seconds of initialization.

• Connect the devices to the single phase parallel kit to start powering the devices.

• Through the single phase parallel kit, two PHOENIXes can together power most single phase AC devices rated under 1440W including washing machine, space heater, room air conditioner, and vacuum.
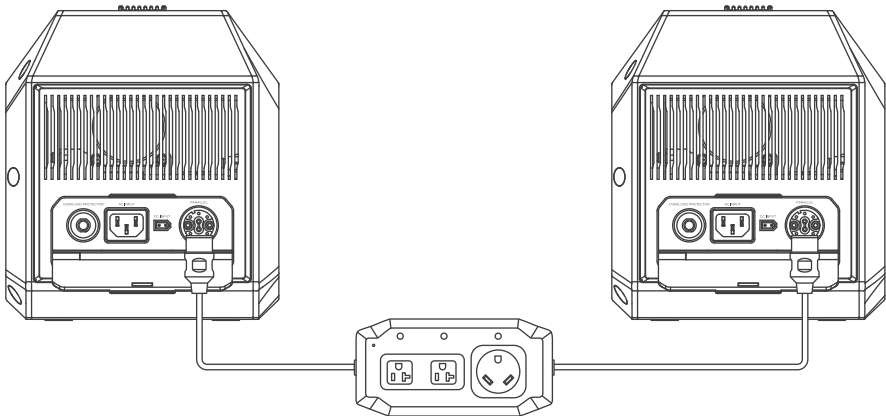
CAUTION

• Please ensure that PHOENIXes are of the same models.

• Please ensure that the AC Outlets of PHOENIXes have the same output voltage and output frequency.

NOTE

- Please read the user manual of PHOENIX Single Phase Parallel Kit before connecting PHOE-NIXes in parallel.
- Please fully charge the PHOENIXes before connecting them in parallel.
- The AC Inlet will be disabled for AC charging and SPS mode when the single phase parallel kit is connected to PHOENIX.
- The AC Outlets will be turned off temporarily when connecting PHOENIXes in parallel.
- It is not recommended to power devices through the AC Outlets when PHOENIXes are connected in parallel.

Strip Lights Operation

NOTE

- It is required to turn on PHOENIX before using the LED Strip Lights.

The LED Strip Lights offer three lighting modes – solid, breath, and flow.

- Short press the Light On/Off Button to turn on the LED Strip Lights, switch the lighting modes, and turn off the LED Strip Lights.
- Long press the Light On/Off Button for 3 seconds to turn off the LED Strip Lights no matter what lighting mode they are on.
- The brightness of the LED Strip Lights can be adjusted on the DC Home app.
- When PHOENIX is charging, the LED Strip Lights will automatically turn on in breath mode by default. The LED Strip Lights can be set to off while charging on the DC Home app.

Timeout Settings

LCD Display Timeout
- When no operation is made for 5 minutes, the LCD Display will go out automatically to save energy.
- Short press the Power Button with PHOENIX on to light up or dim the LCD Display manually.
- The timeout of the LCD Display can be set or disabled on the DC Home app.

USB Ports Timeout
- When the device draws low or no power from the USB-A Ports, USB-A Fast Charge Port, and USB-C Port for 1 hour, the USB-A Ports, USB-A Fast Charge Port, and USB-C Port will turn off automatically to save energy.
- The timeout of the USB-A Ports, USB-A Fast Charge Port, and USB-C Port can be set or disabled on the DC Home app.

CIG Port/AC Outlets Timeout
- When the device draws low or no power from the CIG Port or AC Outlets for 1 hour, the CIG Port or AC Outlets will turn off automatically to save energy.

• The timeout of the CIG Port or AC Outlets can be set or disabled on the DC Home app.

Unit Timeout

• When PHOENIX is not charging and the USB-A Ports, USB-A Fast Charge Port, USB-C Port, CIG Port, and AC Outlets are off for 1 hour, PHOENIX will turn off automatically to save energy.

• The timeout of PHOENIX can be set or disabled on the DC Home app.

Maintenance

Cleaning

- Remove all the connections from PHOENIX.
- Turn off PHOENIX.
- Clear the leaves, debris, and dust from the fans of PHOENIX.
- Clean the casing of PHOENIX with a soft dry cloth.
- Keep the area around PHOENIX clean and dry.
- Turn PHOENIX back on.
- Reconnect the devices to PHOENIX.

Storage

- Charge PHOENIX to 50%.
- Remove all the connections from PHOENIX.
- Turn off PHOENIX.
- Handle PHOENIX carefully to avoid sharp impacts or extreme pressure on the casing of PHOENIX.
- Store PHOENIX in a well ventilated, dry, clean area with temperatures between -4°F (-20°C) and 68°F (20°C) and humidity between 10% and 90%.
- For long term storage, discharge PHOENIX to 30% and charge it to 50% every 6 months.
- Fully charge PHOENIX when it is taken out of the storage.

WARNING

- DO NOT expose PHOENIX to extreme temperatures above 131°F (55°C).
- DO NOT expose PHOENIX to direct sunlight, moisture, or precipitation.
- Please keep PHOENIX away from water, heat, dust, dirt, corrosives, and metal objects.
- Please ensure that no metal objects can fall on or around PHOENIX.

Troubleshooting

- If PHOENIX does not operate properly, refer to the table below for possible causes and corrective steps.

- If the corrective steps do not work, contact our customer service through renogy.com/contact-us/.

Icons	Pattern	Possible Causes	Corrective Steps
INPUT 50Hz ⌄V▲	Slow Flash	AC Input Overvoltage/ Undervoltage	• Disconnect the AC Inlet from the wall outlet. • Measure the voltage of the wall outlet. Stop using the wall outlet if its voltage falls outside the specifications of the AC Inlet. • Connect the AC Inlet to the wall outlet with the appropriate voltage. Charging can be resumed.
Overload Protector Pop Up		AC Input Overcurrent	• Disconnect the AC Inlet from the wall outlet. • Press down the Overload Protector to reset it. • Reconnect the AC Inlet to the wall outlet. • Contact us for help if the Overload Protector pops up again.
INPUT ⌄V▲	Slow Flash	DC Input Overvoltage/ Undervoltage	• Disconnect the charging source from the DC Input Port. • Check the voltage rating of the charging source. Stop using the charging source if its output voltage is rated lower than 10V or higher than 50V. • Connect the charging source with the appropriate voltage rating to the DC Input Port. Charging can be resumed.
⌄V▲	Slow Flash	USB-A/ USB-A Fast Charge Output Overvoltage/ Undervoltage	• Disconnect the devices from the USB-A Ports and USB-A Fast Charge Port. • Short press the USB On/Off Button with the LCD Display lit up to release the protection. • Reconnect the device to the USB-A Ports and USB-A Fast Charge Port. • Contact us for help if the icons persist.

Icons	Pattern	Possible Causes	Corrective Steps
	Slow Flash	USB-A/ USB-A Fast Charge Output Overcurrent/Short Circuit	• Disconnect the devices from the USB-A Ports and USB-A Fast Charge Port. • Remove the short circuits if the USB-A Ports or USB-A Fast Charge Port are shorted. • Check the current ratings of the devices. Stop using the devices if they draw currents that exceed the specifications of the USB-A Ports or USB-A Fast Charge Port. • Short press the USB On/Off Button with the LCD Display lit up to release the protection. • Connect the devices with the appropriate current ratings to the USB-A Ports and USB-A Fast Charge Port. Power can be resumed.
	Slow Flash	USB-C Output Overvoltage/ Undervoltage	• Disconnect the device from the USB-C Port. • Short press the USB On/Off Button with the LCD Display lit up to release the protection. • Reconnect the device to the USB-C Port. • Contact us for help if the icons persist.
	Slow Flash	USB-C Output Overcurrent	• Disconnect the device from the USB-C Port. • Check the current rating of the device. Stop using the device if it draws current that exceeds the specification of the USB-C Port. • Short press the USB On/Off Button with the LCD Display lit up to release the protection. • Connect the device with the appropriate current rating to the USB-C Port. Power can be resumed.
	Slow Flash	CIG Output Overvoltage/ Undervoltage	• Disconnect the device from the CIG Port. • Short press the CIG On/Off Button with the LCD Display lit up to release the protection. • Reconnect the device to the CIG Port. • Contact us for help if the icons persist.

Icons	Pattern	Possible Causes	Corrective Steps
🔌 Ⓐ	Slow Flash	CIG Output Overcurrent/Short Circuit	• Disconnect the device from the CIG Port. • Remove the short circuit if the CIG Port is shorted. • Check the current rating of the device. Stop using the device if it draws current that exceeds the specification of the CIG Port. • Short press the CIG On/Off Button with the LCD Display lit up to release the protection. • Connect the device with the appropriate current rating to the CIG Port. Power can be resumed.
🔲 50Hz Ⓥ	Slow Flash	AC Output Overvoltage/ Undervoltage	• Disconnect the devices from the AC Outlets. • Short press the AC On/Off Button with the LCD Display lit up to release the protection. • Reconnect the devices to the AC Outlets. • Contact us for help if the icons persist.
🔲 50Hz Ⓐ	Slow Flash	AC Output Overload/Short Circuit	• Disconnect the devices from the AC Outlets. • Remove the short circuit if the AC Outlets are shorted. • Check the power ratings of the devices. Stop using the devices if their power ratings are higher than 800W. • Short press the AC On/Off Button with the LCD Display lit up to release the protection. • Connect the devices with the appropriate power ratings to the AC Outlets. Power can be resumed.
🔲 50Hz 🌡	Slow Flash	Inverter High Temperature	• Check if the fan inlet and outlet are blocked. • Cool down PHOENIX to the room temperature. • Short press the AC On/Off Button with the LCD Display lit up to release the protection. Power can be resumed.

Icons	Pattern	Possible Causes	Corrective Steps
OUTPUT	Slow Flash	Total Output Overload	• Reallocate the output power to ensure that the total output power is under 1050W. • Short press the Power On/Off Button with the LCD Display lit up to release the protection. • Short press the USB On/Off Button, CIG On/Off Button, or AC On/Off Button to turn on the USB-A Ports, USB-A Fast Charge Port, and USB-C Port, CIG Port, or AC Outlets again. Power can be resumed.
	Slow Flash	Battery High Temperature	• Disconnect all the connections from PHOE-NIX. • Check if the fan inlet and outlet are blocked. • Cool down PHOENIX to the room temperature. • Reconnect the charging source(s) to PHOE-NIX. Charging can be resumed. • Short press the USB On/Off Button, CIG On/Off Button, or AC On/Off Button to turn on the USB-A Ports, USB-A Fast Charge Port, and USB-C Port, CIG Port, or AC Outlets again. Power can be resumed.
	Slow Flash	Battery Low Temperature	• Warm up PHOENIX. • Charging can be resumed automatically. • Short press the USB On/Off Button, CIG On/Off Button, or AC On/Off Button to turn on the USB-A Ports, USB-A Fast Charge Port, and USB-C Port, CIG Port, or AC Outlets again. Power can be resumed.

Icons	Pattern	Possible Causes	Corrective Steps
	Fast Flash	Single Phase Parallel Failure	• Disconnect the single phase parallel kit from PHOENIXes. • Check the models of PHOENIXes. Stop connecting PHOENIXes in parallel if they are of different models. • Check the output voltages of the AC Outlets. Stop connecting PHOENIXes in parallel if their AC Outlets have different output voltages. • Switch the AC Outlets of PHOENIXes to the same output frequency. • Fully charge PHOENIXes. • Reconnect PHOENIXes in parallel with the single phase parallel kit.

Specifications

General	
Dimension	12.76 x 8.19 x 9.43 inch / 324 x 208 x 239.5 mm
Weight	16.71 lbs / 7.6 kg
Charge Temperature	32°F~104°F / 0°C~40°C (Recommended) 32°F~113°F / 0°C~45°C (Extreme)
Discharge Temperature	-4°F~104°F / -20°C~40°C (Recommended) -4°F~131°F / -20°C~55°C (Extreme)
Storage Temperature	-4°F~68°F / -20°C~20°C
Battery	
Type	Lithium Ion
Capacity	18V, 27500mAh / 495Wh
Cycle Life	600 Cycles (80% DOD, 80% EOL)
Input	
AC Input	85V~120V (JP)/90V~140V (US, CA)/200V~240V (EU, UK, AU, KR, CN) 〜 45Hz~55Hz/57Hz~65Hz, 495W Max
DC Input	10V~50V ⎓ 10A, 200W Max
Output	
USB-A Output (x2)	5V ⎓ 2.4A, 12W Max
USB-A Fast Charge Output (x1)	5V ⎓ 3A, 9V ⎓ 2A, 12V ⎓ 1.5A, 18W Max
USB-C Output (x1)	5V ⎓ 3A, 9V ⎓ 3A, 12V ⎓ 3A, 15V ⎓ 3A, 20V ⎓ 5A, 100W Max
CIG Output (x1)	13.6V ⎓ 10A, 136W Max
AC Output (x2/x3)	100V (JP)/120V (US, CA)/220V~240V (EU, UK, AU, KR, CN) 〜 50Hz/60Hz, 800W Rated, 1600W Surge
Total Output	1050W Max

FCC 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.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to 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:

(1) Orient or relocate the receiving antenna.

(2) Increase the separation between the equipment and receiver.

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

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

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC RADIATION EXPOSURE STATEMENT

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

IC STATEMENT

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) This device may not cause interference, and

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1) L'appareil ne doit pas produire de brouillage, et

(2) L'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

▦ RENOGY

🌐 RENOGY.COM

FCC IC UKCA CE ✔RoHS ✔Reach ⒫Ⓔ RENOGY
JAPAN株式会社

R210-189209 UN38.3

FCC ID: 2ANPB-RPS5080AA
IC ID: 23590-RPS5080AA

EC REP
eVatmaster Consulting GmbH
Battinastr. 30
60325 Frankfurt am Main, Germany
contact@evatmaster.com

UK REP
EVATOST CONSULTING LTD
Suite 11, First Floor, Moy Road Business
Centre, Taffs Well, Cardiff, Wales, CF15 7QR
contact@evatmaster.com

US
- 📍 5050 S Archibald Ave, Ontario, CA 91762
- 📞 909-287-7111
- 🌐 www.renogy.com
- ✉ support@renogy.com

CN
- 📍 苏州高新区科技城培源路1号5号楼-4
- 📞 400-6636-695
- 🌐 https://www.renogy.cn
- ✉ support@renogy.cn

JP
- 🌐 https://www.renogy.jp
- ✉ supportjp@renogy.com

CA
- 🌐 https://ca.renogy.com
- ✉ supportca@renogy.com

AU
- 🌐 https://au.renogy.com
- ✉ supportau@renogy.com

UK
- 🌐 https://uk.renogy.com
- ✉ supportuk@renogy.com

DE
- 🌐 https://de.renogy.com
- ✉ supportde@renogy.com