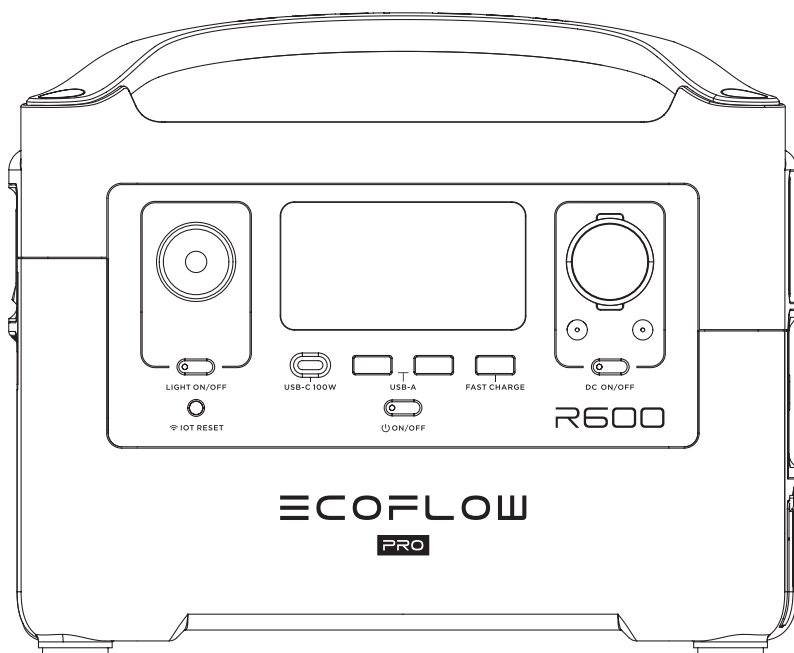


ECOFLOW

User Guide

R600

PRO



Contact us:
support@ecoflow.com
www.ecoflow.com



WARNING

1. Keep R600 PRO and the accessories dry and do not expose them to high heat.
2. Never disassemble, puncture, shock, crash, or incinerate the product.
3. Recycle and dispose of R600 PRO in accordance with the local regulations.
4. Pay attention to safety when handling the R600 PRO.
5. People with disabilities or children should use the machine under the protection of the supervisor.

Glossary

The following terms are used in this document to indicate various levels of potential harm that may be caused by improper operation.

NOTICE

The instructions, if not properly followed, may result in property damage and minor physical damage.

CAUTION

The instructions, if not properly followed, may result in property damage and serious physical damage.

WARNING

The instructions, if not properly followed, may result in property damage, major accident and serious injury.

WARNING

Read the ENTIRE user manual to be familiar with the features of this product before operating. Failure to operate the product correctly may result in damage to the product or personal property and cause serious injury. EcoFlow will not assume any legal responsibility. DO NOT use the product with incompatible components or alter the product in any way without following the instructions provided by EcoFlow. Otherwise, you cannot get after-sales service from EcoFlow under warranty condition. These Safety Guidelines include instructions for safety, operation and maintenance. It is important to read and follow all the instructions and warnings in the user manual before assembly, setup or use the product.

Product Safety Guidelines

WARNING

Improper use may result in fire, property damage or personal injury. Make sure to use the product according to the following safety rules and guidelines.

Product Use:

1. DO NOT expose the product to any liquids. Do not immerse the product in water. DO NOT leave the batteries out in the rain or near a source of moisture. Moisture in the device could cause short circuits, component failure, fires or even an explosion.
2. Never use NON- EcoFlow parts. Go to <http://www.EcoFlow.com> to purchase new parts. EcoFlow takes no responsibility for any damage caused by the use of non-EcoFlow parts.
3. Never install or remove other modules from the R600 PRO when it is turned on. Do Not plug or unplug other modules when the power of the product is turned on, otherwise the power interface may be damaged.
4. The product should be used in temperatures between 14°F and 140°F (-10°C and 60°C). The use of product in environments above 140 °F (60°C) may cause fire or explosion. Using product below 14°F (-10°C) will severely affect the performance of the product. Allow the product to return to a normal operating temperature before use it.
5. DO NOT use the batteries in strong electrostatic or electromagnetic environments. Otherwise, the battery control board may malfunction and cause a serious accident during use.
6. Never disassemble or pierce the product in any way. Otherwise, it may leak, catch on fire, or explode.
7. DO NOT use the product if it was involved in a crash or a heavy bump.
8. If the product falls into the water during use, take the product out immediately and put it in a safe and open area. Keep a safe distance from it until it is completely dry. Never use it again and dispose it properly as described in the Battery Disposal section below. If the product catches fire, it is recommended to use fire extinguishing equipment in the following order: water or water mist, sand, fire blanket, dry powder, carbon dioxide fire extinguisher.
9. DO NOT put the machine in a microwave oven or in a pressurized container.

- 10.** Do Not allow pins, wires or other metal pieces to insert to the device case, outlets or controls. Metal pieces may short circuit the product.
- 11.** Avoid collision. DO NOT place heavy objects on the machine.
- 12.** If there is dirt on any plug or outlet surface, use a dry cloth to clean it. Otherwise, it will cause abrasion and result in energy loss or inability to charge.

Product Charging:

- 1.** Always use EcoFlow approved charging cables. EcoFlow does not response to any damage caused by using non-EcoFlow charging cable.
- 2.** When charging, please place the product on the ground with no flammable or combustible materials around. To prevent accidents, never leave the machine unattended during charging.
- 3.** DO NOT charge a product immediately after a long heavy load, because the product's temperature may be too high. DO NOT charge a product until it cools down to room temperature. The product may be unable to charge out of the temperature range 32°F to 104°F (0 to 40°C). The ideal charging temperature range is 71°F to 82°F (22°C to 28°C).

Product Storage and Transportation:

- 1.** Keep the product out of the reach of children. If any children accidentally swallow parts, please go to a doctor immediately.
- 2.** If a low-battery warning appears, charge the battery before store it. Otherwise, long-term storage may cause damage to the battery in the product. Batteries in the product will enter hibernation mode if it is depleted and stored for a long time. Recharge the product can bring the battery out of hibernation.
- 3.** DO NOT place the product near a heat source, such as a car in direct sunlight, a fire source, or a heating stove.
- 4.** Store the product in dry environments. DO NOT place the product where it may contact with water.
- 5.** Make sure no small metal objects can fall on or around the product while in storage.
- 6.** Never transport a product with a battery power level higher than 30%.

Product Battery Disposal:

- 1.** Dispose the product in specific recycling boxes only after a complete discharge. Batteries are hazardous chemicals. Please strictly follow your local regulations regarding the battery disposal and recycle.
- 2.** Dispose of the product immediately if it cannot be powered on after over-discharging.

Product Maintenance:

- 1.** Never store the product in environments below 14°F (-10°C) or above 140°F (60°C).
- 2.** If the product is not used for a long time, the battery life may be reduced.
- 3.** Fully charge and discharge the battery at least once every 3 months to keep the battery healthy.

Travel Notice:

It is forbidden to carry lithium batteries and equipment with a capacity greater than 160Wh on airplane due to the regulation; Do Not bring this product on flights.

R600 PRO Use Care and Safety Guide

CONGRATULATIONS!

You now own the best quality Portable Battery Generator in the world. This brief pamphlet is meant to help you. Please take some time to read it before using the product. Read it through to fully understand how to use the Lithium Generator!

NOTICE

To turn R600 PRO on or off, you need to PRESS and HOLD the ON/OFF Power Button. To turn on the AC power outlet, you need to PRESS and HOLD the AC Button after turning on R600 PRO. We set the AC button for users to turn off AC power when they don't need it to save power usage. Please follow this introduction step-by-step to be familiar with each of R600 PRO's ports, buttons, display screens and more. Please fully charge (100%) your R600 PRO before use it.

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.

WARNING

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

NOTICE

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 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.

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.

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EcoFlow App User Guide

1. Download EcoFlow App User Guide

- Search “EcoFlow” in the Google Play Store or App Store to download the App.
- You may also use your mobile phone to scan this QR code or enter the download link in your browser:

<https://ecoflow.com/pages/r600-app-download>



2. App Login and Registration Guide

1. Open your App, click on “Sign up” to register. (If you already have an account, please click on “Login”).
2. Fill your information and click on “Submit” to receive the activate email.
3. Open your activation email and click the link to activate your account. Go back to the EcoFlow app to log in.

1

A screenshot of a mobile app interface. At the top is a header image showing a person camping in a mountainous area with a tent and a van. Below the header, there are two input fields: 'Email' and 'Password'. Below the 'Password' field, there is a checkbox labeled 'Keep login' and a link 'Forgot Password?'. At the bottom, there are two buttons: 'Sign up' and 'Login'.

9:41

Email

Password

☐ Keep login [Forgot Password?](#)

[Sign up](#) [Login](#)

2

A screenshot of a mobile app registration form. It has the same header image as the previous screen. Below the header, there are several input fields: 'Name', 'Email', 'Password', 'Confirm Password', 'Select your Country', 'Address (Optional)', and 'Mobile Phone (Optional)'. At the bottom, there is a 'Submit' button and a checkbox for 'Read and agree Terms of Use & Privacy Policy' with a link 'Didn't receive the Email? Send Again'.

9:41

Start Up
Your Eco Travel !

Name

Email

Password

Confirm Password

Select your Country

Address (Optional)

Mobile Phone (Optional)

[Submit](#)

☐ Read and agree [Terms of Use & Privacy Policy](#)
Didn't receive the Email? [Send Again](#)

3

A screenshot of a mobile app showing a confirmation message. It has the same header image. Below the header, there is a 'Congratulations!' message, followed by text stating 'We have sent you an Email! Please check it with xxx@xxxxx.com'. At the bottom, there is a 'Back to Login' button.

9:41

Congratulations!

We have sent you an Email!
Please check it with
xxx@xxxxx.com

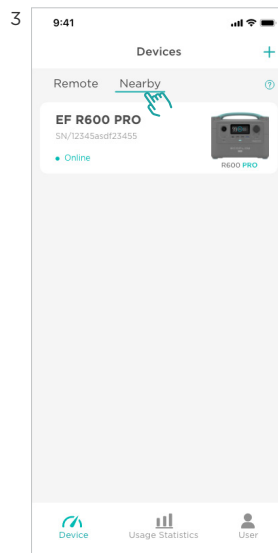
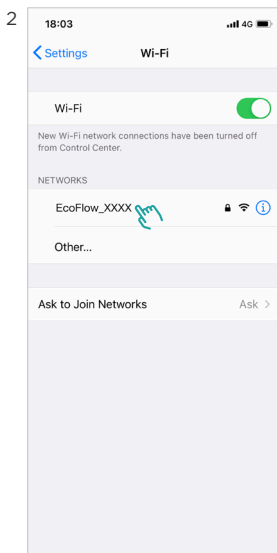
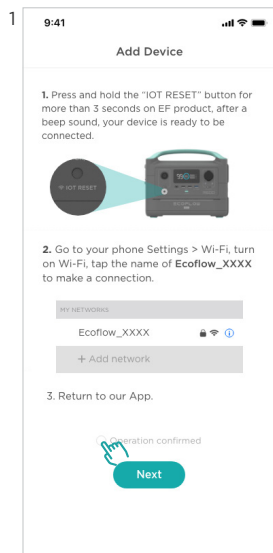
Didn't receive the Email? [Send Again](#)

[Back to Login](#)

3. Device Connection Guide

Outdoor Mode: Connect to the nearby R600 PRO hotspot. Make sure the mobile phone is within the hotspot range).

1.
 - Open your App, click on the "+" on the top right corner.
 - Press and hold the "IOT RESET" button for more than 3 seconds on EF product. After a beep sound, your device is ready to be connected.
2.
 - Go to your phone Settings > Wi-Fi, turn on Wi-Fi and find the new device in the network list: Ecoflow_XXXX. Tap it to make a connection.
3.
 - Return to EcoFlow App, click on "Nearby" and wait for the device to appear. If it doesn't, please scroll down to refresh the list.

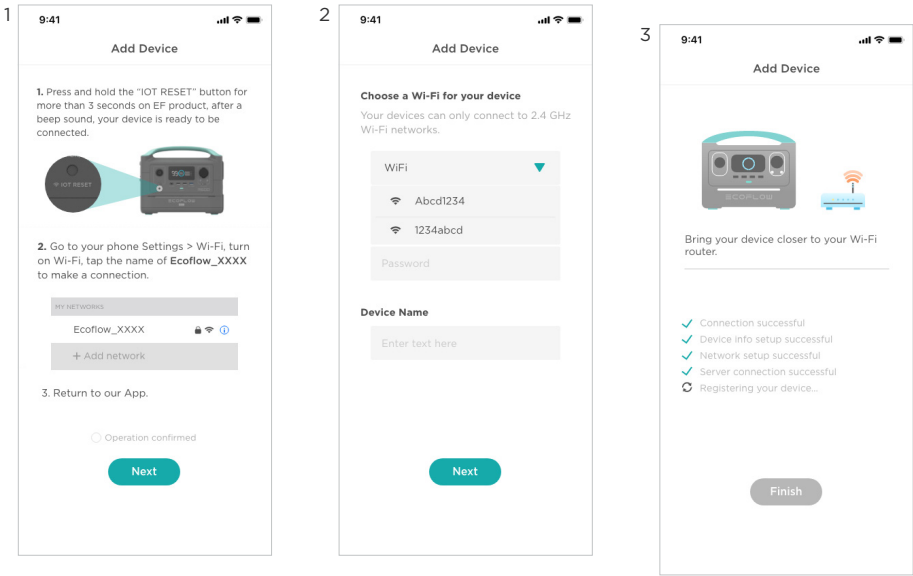


Indoor Mode: Connet to the home router (support remote control).

- 1.
- Open your App, click on the "+" on the top right corner.
 - Press and hold the "IOT RESET" button for more than 3 seconds on EF product, after a beep sound, your device is ready to be connected.
 - Go to your phone Settings > Wi-Fi, turn on Wi-Fi and find the new device in the network list: Ecoflow_XXXX. Tap it to make a connection.
 - Return to EcoFlow App.
 - Confirm the operation, and tap "Next" to continue.
- 2.
- Choose a Wi-Fi for your EF product. Your EF product can only connect to 2.4 GHz Wi-Fi networks.
 - Enter a Name for your EF product.
 - Tap "Next" to finish adding your EF product.

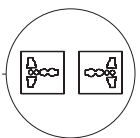
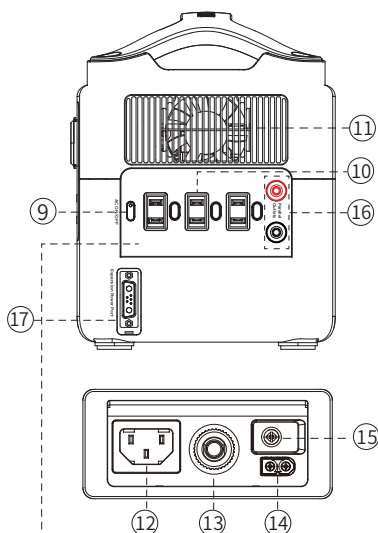
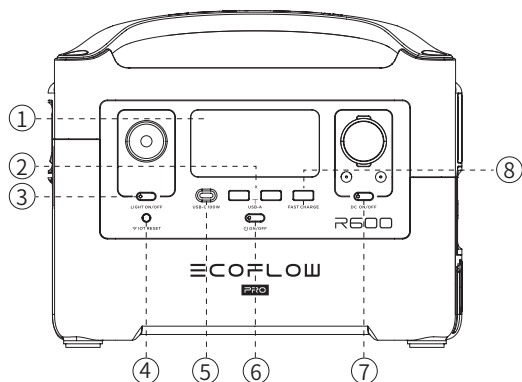
- 3.
- Please confirm:
- EF product
- ✓ Connection successful
 - ✓ Device info setup successful
 - ✓ Network setup successful
 - ✓ Server connection successful
 - ✓ Device registration successful

If it fails to connect, move the EF product closer to the router, confirm whether it is a 2.4GHz network, and repeat the operations of the first step.



4. For more information about the App, please follow the instruction on the App or our official website www.ecoflow.com.

Features of the R600 PRO



220-240V region*Dedicated AC Output

*EcoFlow has designed different AC output sockets following the local regulations of different countries.

1. LCD Display

2. USB-A Output Ports

3. ON/OFF Button of LED Light

4. IOT Reset Button

(PRESS & HOLD 3s to reset WiFi)

5. USB-C 100W Output Port

6. Power Button & LCD Display Screen

7. DC Output Port (Car Outlet, 2 DC 5521 Output Ports) DC Output Indicator

8. Fast Charge USB-A Output Port

9. AC Power Button (PRESS & HOLD for ON/OFF) AC Output Indicator

10. 3 AC Output Sockets (100-120V) 2 AC Output Sockets (220-240V)

11. Ventilation Fan

12. X-STREAM Charging Input Port

13. Overload Protection Switch

14. Solar Charge/Car Charge Input Port

15. Power Earth Screw

16. Parallel Outlets

17. Expansion Power Port

1. LCD Display

Displays various conditions of the product.

2. USB-A Output Ports

Charge a wide array of devices such as your iPhone, tablet, GoPro, speakers, or anything else that could be charged through USB Port. The USB Output Indicator Light will automatically light up when a USB port is in use.

3. ON/OFF Button of LED Light

There're three types of LED light: low light, strong light, and SOS rescue signal flash. Press it once to turn on the low light; press it twice to turn on the strong light; press it one more time to turn on the SOS rescue signal flash; then press it again to turn off the LED light. Long press can turn off the LED directly.

4. IOT Reset Button (PRESS & HOLD 3s to reset WiFi)

When you first use IOT function or you are changing the network environment, you need to press and hold IOT Reset button for 3 seconds to reset the WiFi. It can connect with the mobile phone, then reconfigure the wireless network through the APP. When using the IOT mode, make sure the power station has sufficient amount of power or is connected to a power source to keep IOT standby.

5. USB-C 100W Output Port

Devices that charge through a USB-C port, such as a MacBook Pro, Android phone, or other devices can be charged by the R600 PRO USB-C port. The USB-C Output icon will appear on LCD Display when a USB port is in use.

6. Power Button & LCD Display Screen ON/OFF Power Indicator

Press and hold the power button to turn R600 PRO on or off. When R600 PRO is turned on, the power indicator is in breathing mode, and the display is on; to turn on or off the LCD and keep R600 PRO running, short press the power button; when R600 PRO senses that any output port is in use, the display will automatically light up. Also, if no output port is in use, the R600 PRO screen will enter into the sleep mode after being idle for more than 5 minutes, but the battery is still running; two hours after the idle mode, the R600 PRO will automatically shut down (You can set up the system standby time via APP).

7. DC Output Port (Car Outlet, 2 DC 5521 Output Ports) DC Output Indicator

Press DC ON/OFF to turn on or off R600 PRO DC power. The 13.6V DC power button controls the R600 PRO's car charger output and two direct currents (DC 5521) outputs. The car charger output supports an output up to 10A, which is sufficient to power most electrical appliances use in vehicles (such as mini-refrigerator). It can also be used to fully charge a 12V lead-acid car battery (must be used under the guidance of professionals).

8. Fast Charge USB-A Output Port

The USB-A Output Indicator Light will automatically light up when a USB-A port is in use. Fast charge-enabled devices can be charged at a maximum speed of 28W. If your device does not support fast charging, the device will charge in a normal speed.

9. AC Power Button (PRESS for ON/OFF) AC Output Indicator

The AC power button controls the AC output of the R600 PRO. The AC power needs to be turned on manually. To enable AC power, press the AC power button. When AC power is not in use to charge a device, press the AC power button to turn off the AC power. Make sure to unplug the power cord from the AC port. When the AC power of the R600 PRO is enabled, the AC indicator will light up. If the AC power is not used for more than 12 hours, the product will turn off automatically (You can set up the system standby time via APP).

10. 3 AC Output Sockets (100-120V) / 2 AC Output Sockets (220-240V)

Charging devices that require a 230V (220-240V region)/100-120V (220-240V region) wall charger such as laptops, TVs, mini-refrigerators, vacuums, etc. The X-Boost function supports an additional 600W-1,200W of power reduction. This function does not support all electrical devices with higher power rating, please test to confirm before use.

11. Ventilation Fan

The fan prevents R600 PRO from overheating.

12. X-STREAM Charging Input Port

Plug in an AC cable with a universal three-pin plug (one that can withstand an effective current of 15A) into the port and connect the cable to an AC power source. The U.S. and Japanese version supports 100Vac-120Vac (50Hz/60Hz)/international version supports 220Vac-240Vac (50Hz/60Hz) charging. R600 PRO's X-STREAM system supports an entry-level UPS function, and user can use the R600 PRO AC socket while the device is connected to a wall socket with AC power supply (the AC power comes from the grid, not the battery). When the grid loses power suddenly, the device can automatically switch to R600 PRO battery power mode in <30ms to ensure your work is uninterrupted. This is an entry-level grade UPS function that does not support 0ms switching. Do not connect devices with high uninterrupted power supply requirements, and perform multiple tests to confirm compatibility before connecting such devices as data servers and workstations with R600 PRO. EcoFlow will not be responsible for any loss of data or equipment damage caused by customers' failure in following the instruction.

13. Overload Protection Switch

When the input current continuously exceeds 10A during a charge, the AC charging port will trigger the overload protection (the Overload Protection Switch button will automatically pop out). When the device is confirmed to be normal, press the overload protection switch button to continue charging.

14. Solar Charge/Car Charge Input Port

Support a maximum of two 110W solar panels to be connected in parallel. R600 PRO has a limit input of 200W which supports 12V/24V car charge up to 10A (remember to start the engine, otherwise, the car battery may be drained).

15. Power Earth Screw

For safety concern, some electrical appliances need to be grounded. The power earth screw provides an option to get your R600 PRO grounded using a grounding cable.

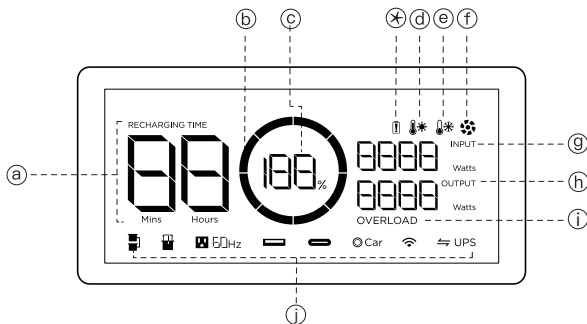
16. Parallel Outlets

Users can connect two fully-charged R600 PRO in parallel to get double battery capacity, extended power duration, and around double power for devices that require higher power. Connect the Red Cable to the red port on both R600 PROs and connect the Black Cable to the black ports. See AC Output Parallel Mode for more information.

17. Expansion Power Port

This port is used to connect the EF-1500 external battery through the Expansion Power Cable to expand the battery capacity to 2304Wh. The port can also connect the PRO Kit to obtain a larger capacity and ultra-long running time with external 24V lead-acid batteries. It is recommend to use ≥ 200Ah lead-acid batteries.

User Interface Introduction



a. Remaining Charge/Discharge Time

The number indicates the remaining charge/discharge time (in minutes) for R600 PRO.

b. Battery Level Indicator

Shows the remaining power. The icon rotates while charging.

c. Battery Level Percentage

Shows the percentage of the power. If it displays 0%, please charge R600 PRO immediately.

d. High Temperature Indicator

When the temperature of the R600 PRO is too high, a high-temperature warning icon appears on the screen to warn that the temperature of the product is too high. Please cool down the product.

e. Low Temperature Indicator

When the temperature of the R600 PRO is too low, a low-temperature warning icon appears on the screen to warn that the temperature of the product is too low. Please warm up the product properly before use.

f. Fan Indicator

The R600 PRO fan speed is intelligently controlled by the R600 PRO, and the displayed speed is related to the fan speed.

g. Current Input

Shows the current input power of R600 PRO in watts.

h. Current Output

Shows the current output power of R600 PRO in watts.

i. Overload Warning
















The overload icon and corresponding icon indicate the corresponding overload module.


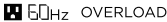
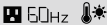




j. Port Usage Indicators

Indicates the usage status of each port.

***. Protection Information Instruction**

The R600 PRO display screen uses different icons and combined icons to indicate the reason for device protection.

 OVERLOAD	USB-A Overload Protection	USB-A and OVERLOAD icons flash together. Disconnect all electrical appliances and wait 10 seconds before adding each appliance back.
	USB-C High Temperature Protection	USB-C and High-Temperature icons flash together. Let R600 PRO cool before adding each appliance back.
 OVERLOAD	USB-C Overload Protection	The USB-C icon and the OVERLOAD icon flash together. After unplugging the appliance, it will automatically resume operation after 10 seconds.
RECHARGING TIME  	High Temperature Recharge-protection	Recharging Time, Exclamation and High-Temperature icons flash together. This will happen especially when you charge your device immediately after a heavy battery use. Let R600 PRO cool down before Recharging.
 	High Temperature Discharge-protection	Exclamation and High-temperature icons flash together. The power supply can be resumed after the battery is cooled down.
RECHARGING TIME  	Low Temperature Recharging-protection	RECHARGING TIME, Exclamation and Low-Temperature icons flash together. Place R600 PRO in warmer place before recharging.
 	Low Temperature Discharge-protection	Exclamation and Low-Temperature icons flash together. Place R600 PRO in warmer place before turning Power back on.
RECHARGING TIME  OVERLOAD	Overload Recharging-protection	RECHARGING TIME, Exclamation and OVERLOAD icons flash together. Unplug Charging cables, restart R600 PRO and plug back in, If light keeps flashing contact support@ecoflow.com
 OVERLOAD	Overload Discharging-protection	Exclamation and Overload icons flash together. Disconnect all appliances, restart R600 PRO, and add each appliance back in turn. Please note that electrical appliances must be operated within rated power.
 - - - -	Communication Failure between Main Board and BMS	Only the Exclamation icon is flashing. Restart R600 PRO. If the light keeps flashing, contact support@ecoflow.com
	Light stays on	The Exclamation icon is on. Restart the device. If the light stays on, contact support@ecoflow.com .

	Communication Failure between Main Board and AC	AC icon Flashes. Restart R600 PRO. If icon keeps flashing, contact support@ecoflow.com
	Inverter Output Overload	AC and Overload icons flash together. Wait 10 seconds, turn AC Power ON/OFF. Please note that electrical appliances must be operated within rated power. (For more information about X-Boost function, go to P12 to see the power limit for appliance use in X-Boost mode.)
	Inverter High Temperature Protection	AC and High-temperature icons flash together. Let R600 PRO cool down. Then turn AC Power On/OFF the interface will automatically resume operation.
	Inverter Low Temperature Protection	The AC and Low-Temperature icons flash together. Move R600 PRO to a warmer place and wait for the inverter to warm up. Press AC Power ON/OFF button again. It will automatically recover. If it doesn't, contact support@ecoflow.com
	Fan Blockage	Fan icon flashes. Turn Off R600 PRO and carefully clean and vacuum around vents on both ends . Turn System Power On. If icon keeps flashing contact support @ecoflow.com
	Car Charger Overload	Car and OVERLOAD icons flash together. Restart R600 PRO, and make sure that electrical appliances must be operated within rated power.
	Car Charger High Temperature Protection	Car and High-Temperature icons flash together. Wait for R600 PRO to cool down and it will automatically recover.

Solar Panel Connection

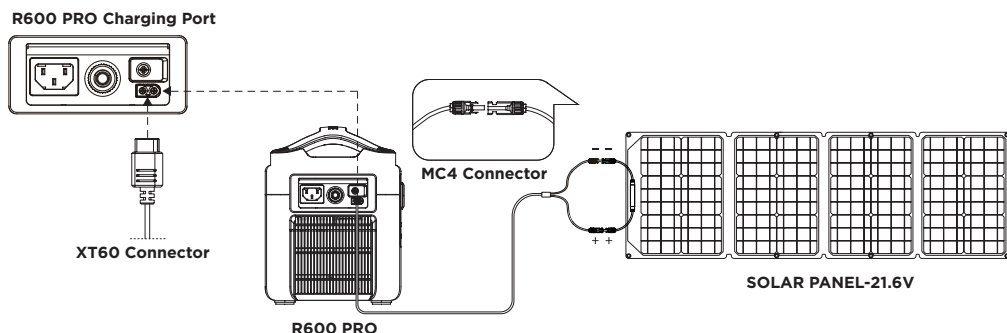
How to recharge the R600 PRO using solar panels?

If you need to know more about the connection of solar panel, please refer to the Solar Panel User Guide. Here we focus on demonstrate how one or two solar panel in parallel. The R600 PRO can support a 10-25V DC input. When the input exceeds 25V, the R600 PRO's overvoltage protection will be triggered. Over voltage may damage the product. Users should follow these instructions. EcoFlow do not provide free repair services for any product damage caused by connecting many solar panels to the product or incorrect connection, even during the warranty period.

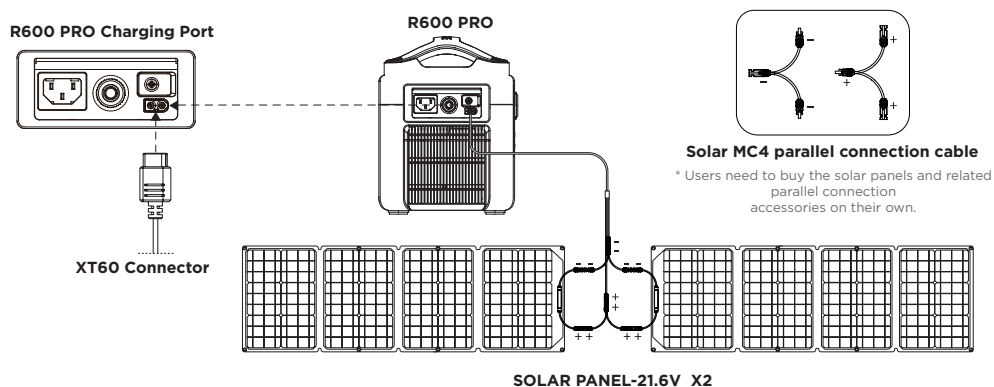
1. Recommend Charging Method

Users can connect a solar panel (**do not connect more than one in series**) as shown in Example 1. Connect to EF MC4 to XT60 solar charge cable. Connect the XT60 connector to the R600 PRO's XT60 input to charge the device. Users can connect up to 2 sets of solar panels in parallel to the MC4 port as shown in Example 2. If you want to connect 2 pieces of solar panels, connect them with our solar MC4 parallel connection cable. Connect the XT60 connector to the R600 PRO's XT60 input to charge the device. The parallel connection cable is an optional accessory that is purchased separately.

e.g.1

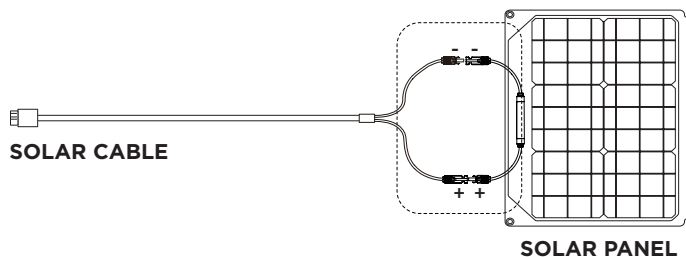


e.g.2(Only supports parallel connection, NOT serial connection)



2. R600 PRO supports the use of third party solar panels (DIY solution)

Users can buy universal solar panels of MC4 connection standard on their own to power R600 PRO, as long as the voltage and current (10-25V DC, 12A Max) comply with the specifications of R600 PRO, the panels will be able to recharge R600 PRO through the MC4 to XT60 conversion cable. However, EcoFlow do not provide free repair services for any damage to the product caused by the quality issue or improper operation of the third-party solar panels, even in the warranty period.



Entry-Level UPS and Parallel Mode

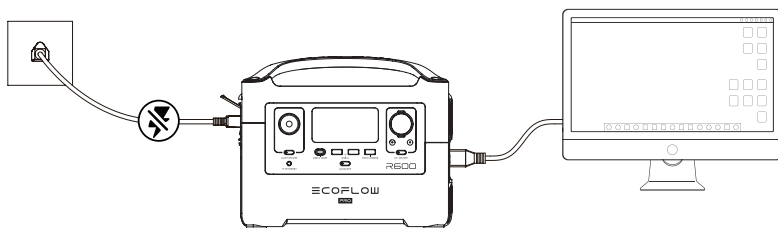
R600 PRO Entry-level UPS and Parallel Connection Use Reminder

Entry-level UPS function. R600 PRO's X-STREAM system supports an entry-level UPS function. You can use the R600 PRO AC socket while the device is connected to a wall socket with AC power supply (the AC power comes from the grid, not the battery). When the grid loses power suddenly, the device can automatically switch to R600 PRO battery power mode in <30ms to ensure your work is uninterrupted. This is an entry-level grade UPS function that does not support 0ms switching. Do not connect devices with high uninterrupted power supply requirements. Perform multiple tests to confirm **compatibility before connecting such devices as data servers and workstations with R600 PRO. EcoFlow will not be responsible for any loss of data or equipment damage caused by users' failure in following the instructions. For example, data server and workstation, otherwise it will affect your user experience.**The parallel mode uses Parallel Cables to connect the Parallel Outlets of two products to provide almost doubled power of a single product.

1.Entry-Level UPS User Guide



Users can connect the AC charging cable of R600 PRO to the power grid and connect a device to R600 PRO and turn on the AC switch to automatically enter the entry-level UPS mode. When the external power is cut off, power will be supplied from the battery of R600 PRO immediately to protect your device (as shown below).

*** UPS is only applicable to electrical appliances below 600W. Please do not use other equipment at the same time to avoid OVERLOAD. EcoFlow is not responsible for any abnormal operation or data loss caused by careless use. Only one R600 PRO can conduct the UPS function. To connect, follow the instructions below. More than one R600 PRO connected CANNOT conduct the UPS function.**

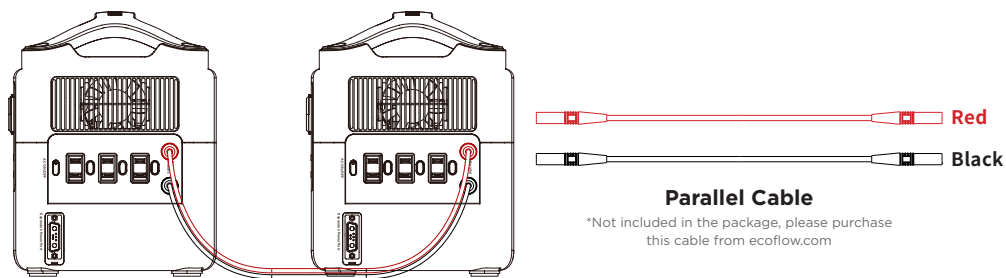


2.AC Parallel Mode User Guide

Users can connect two FULLY CHARGED R600 PRO in parallel mode. Users can use the parallel cables to get double power capacity and around two times power output to meet their professional needs. They can use electrical appliances with higher power requirement and benefits from extended powering time.

1. Turn on two R600 PROs;
2. Connect the parallel cables to the parallel ports of two R600 PRO - **Red Cable to the red port on both R600 PRO and Black Cable to the black ports.**
3. Press the AC power button on one of the R600 PRO and hold for 3s. The screen will show the  icon. Then press the AC power button on the other R600 PRO for 3s, the parallel icon  will flash on the screen. The parallel icons of the two products stop flashing and both are displayed stably, which means that the activation of parallel mode is successful, and you can use your appliances and enjoy the benefits of extended powering time (as shown below). If the operation failed, the product would displays OVERLOAD. Please start the operation from the first step again until it is successful.

*** It is strictly forbidden to charge any product during the parallel connection. If you charge the product during the parallel connection, it is normal the product will shut down. Please unplug the AC charging plug, turn off the AC output of the two R600 PRO, and then restart the parallel connection from the first step; using an appliance close to or exceeding 1200W will overload, and it is recommended to use an appliance within 1000W. X-Boost is not available when parallel mode is on.**



AC X-Boost Mode

EcoFlow AC X-Boost allows you to use 600W-1200W appliances with the R600 PRO AC inverter without the disruption caused by overload protection. As a result, there is no need to buy different electrical devices in order to use it on the product. Traditional inverters will overload when one electrical appliance with a higher rated power is connected. Those inverters cannot be used to power such appliances. EcoFlow AC X-Boost enables the powering of 600W-1200W electrical appliances. Please take note of the following when using this mode:

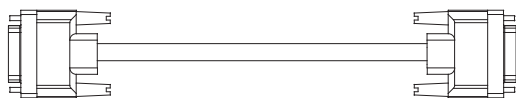
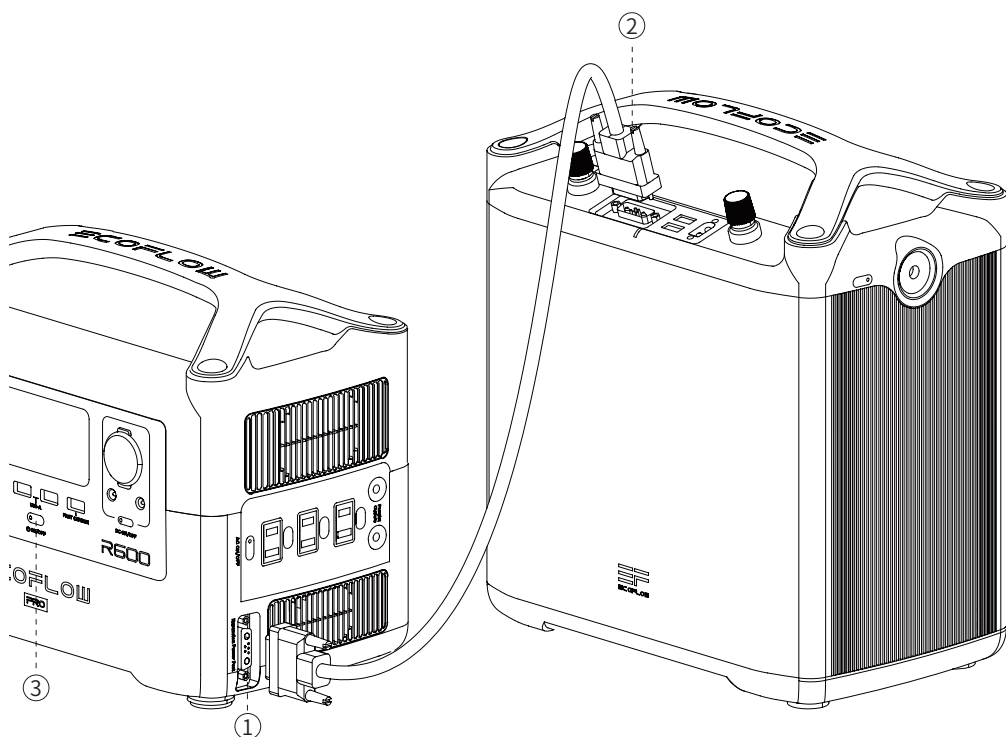
1. The X-Boost mode is enabled by default. You can use the App to turn on or off this function. Please do not connect AC output to the home grid under X-Boost mode, otherwise, the low voltage protection will trip during use.
2. The X-Boost mode is not available in the following situations: in the parallel connection state, the charging state, X-Boost mode off state.
3. When using appliances with a rated power of 600W-1200W, please only connect to one appliance. When more than one electrical devices are connected, the change of voltage may affect the usage of other electrical devices.

*** The X-Boost mode is not applicable for all electrical devices. Some devices with a rated power of 600W-1200W that have strict voltage requirements are still not compatible. Please conduct a full test to confirm before usage, so it will not to affect your work. It is recommended to use electrical equipment with heating elements and with a rated power between 600-1200W, such as hair dryers, electric kettles, coffee machines.**

R600 PRO and EF-1500 Connection

First prepare the R600 PRO, EF-1500 and Expansion Power Cable, then turn off the power of the machine to ensure the accurate operation. If it is operated in the power-on state, it will not be able to connect successfully.

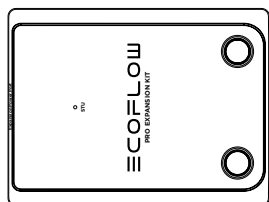
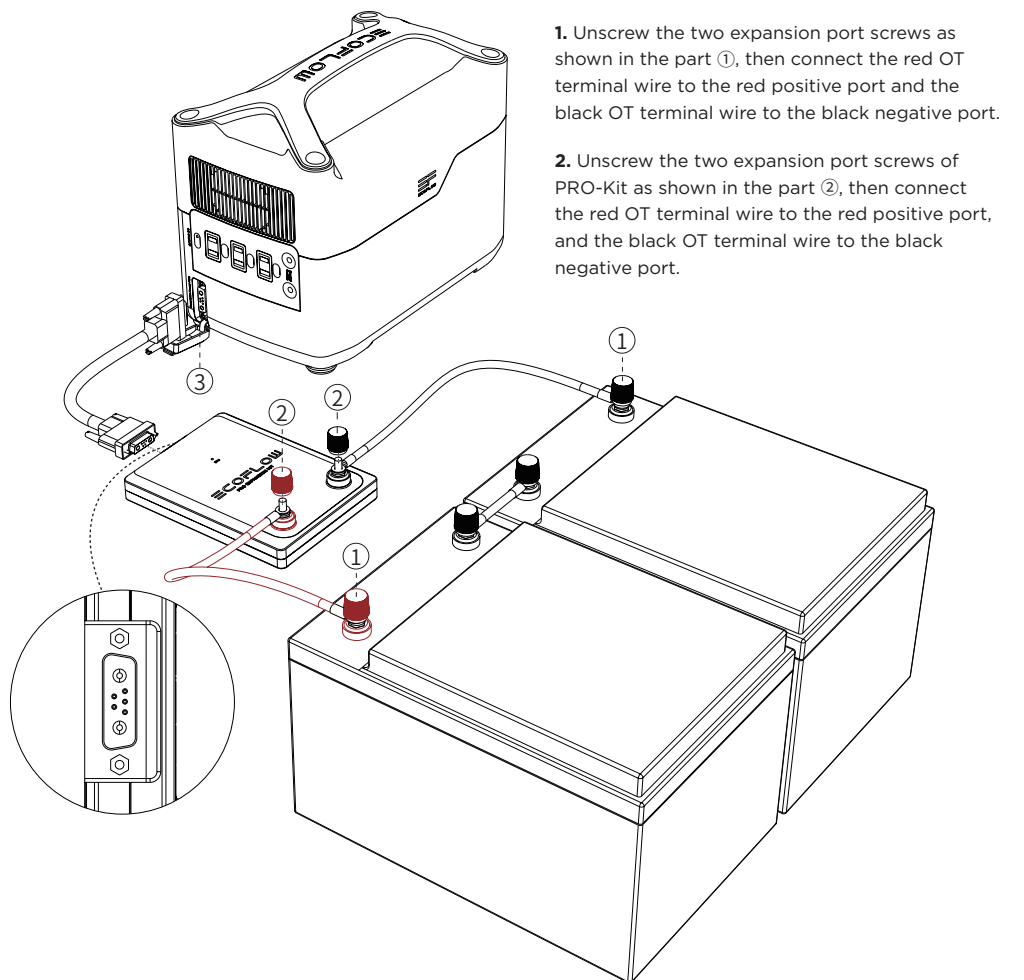
1. Open the soft plug under the AC port of the R600 PRO to expose the Expansion Power Port, connect the Expansion Power Cable, and tighten the screws on both sides of the interface to prevent it from accidentally falling off.
2. Open the EF-1500 dust cover, find the Expansion Power Port interface, connect the other end of the Expansion Power Cable, and tighten the screws on both sides of the interface to prevent it from accidentally falling off.
3. Turn on the power switch of R600 PRO, or turn on the power switch of EF-1500. The power-on icon displayed on the screen of R600 PRO indicates that the connection is successful. It is recommended to fully recharge the battery for the first time to ensure that the capacity of the two machines is balanced and the maximum efficiency of the EF-1500 can be exerted.



Expansion Power Cable

* Not included in the package, this cable only comes with EF-1500

24V Battery Installation and Setting



R600 PRO Kit

*Not included in the package, please purchase this kit from [ecoflow.com](https://www.ecoflow.com)



Technical Specifications

General Specs

Net Weight	* 18.3 lbs (8.3kg)
Dimensions	* 11.3 x 7.3 x 10in (28.8 x 18.5 x 25.3cm)
Capacity	768Wh (25.6V)
Testing and certification	UL Standard, CE, FCC, RoHS

Outputs

AC Output (x3) / (x2 International Version) Full Sine Wave	600W (Surge 1200W) total, 120Vac (50Hz/60Hz) / 230Vac (50Hz/60Hz)
USB-A Output (x2)	5V DC, 2.4A, 12W Max, per port
USB-A Fast Charge (x1)	5V DC, 9V DC, 12V DC, 2.4A, 28W Max
USB-C Output (x1)	5V DC, 9V DC, 12V DC, 15V DC, 20V DC, 5A, 100W Max
Car Power Output (x1)	136W, 13.6V DC, 10A Max
DC5521 Output (x2)	13.6V DC, 3A Max (per port)

Input

AC Charge Input Voltage	100-120Vac (50Hz/60Hz) International Version 220-240Vac (50Hz/60Hz)
AC Charge Input Power (Example 1)	X-STREAM Charge 720W Max
Solar Charge Input	200W 10-25V DC 12A max
Car Charger (Example 2)	12V/24V DC 10A max

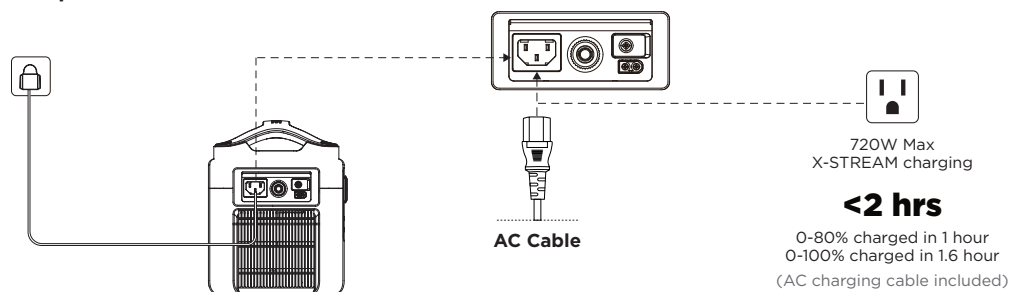
Battery

Cell Chemistry	LiFe-PO
Discharge Temperature	14-140°F +/-5°F (-10-60°C +/-3°C)
Charge Temperature	32-113°F +/-5°F (0-45°C +/-3°C)
Shelf Life	1 Year (after fully charged)
Cycle Life	3500 Cycles (80%)

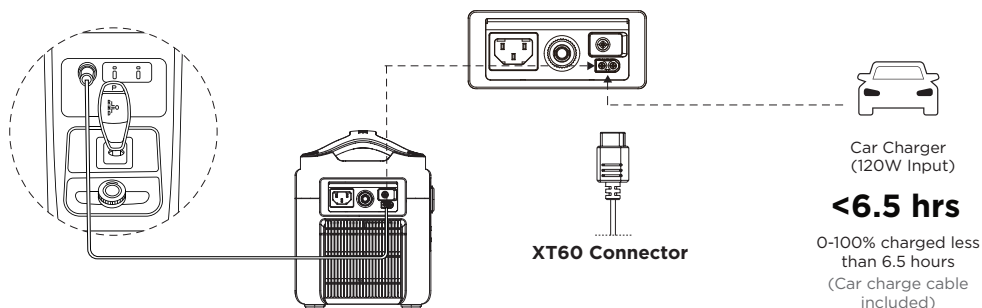
* Please Note: The above weight, size, etc. have certain measurement errors. Please refer to the actual measurement.

How to Recharge R600 PRO

Example 1:



Example 2:



How do I recharge my R600 PRO?

R600 PRO has an AC charging port and an XT60 charging port located on the side of R600 PRO. The R600 PRO can be charged via AC power or 12V car charger. Besides, you can also use solar panels and connect the solar charge cable to the XT60 solar charging port of R600 PRO for charging.

Can R600 PRO power my devices while it's charging?

Yes, R600 PRO can output power while being charged.

FAQs

How do I clean for R600 PRO?

The R600 PRO is a versatile tool on many adventures, so that simple cleaning will likely be required from time to time. Use dry, non-abrasive cloths to wipe. If you need to clean more thoroughly, we recommend that you use detergent that used for cleaning mobile phones and computer screens. Do Not expose R600 PRO to lots of liquid.

How do I store R600 PRO?

Please store R600 PRO in a dry and cool place. DO NOT place it near water. If you need to store R600 PRO for a long time, please charge the battery to around 85%, in order to extend battery life. Then turn off the main switch and store at room temperature.

How do I use R600 PRO safely?

Please use R600 PRO in its operating temperature range. Using R600 PRO out of the optimal operating temperature range may cause R600 PRO to exceed its safe and effective working limits. DO NOT immerse R600 PRO in water. Doing so will void the warranty. R600 PRO is not waterproofed. If R600 PRO power electrical devices with heating-elements (600W) over half hours, it is normal to appear over-temperature protection. Please wait about 1 hour before using or charging.

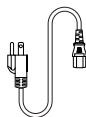
Can it be upgraded?

The firmware can be upgraded when the machine can be optimized, and the parameters of the machine will be adjusted and optimized. After the upgrade, the paper document will not be updated, and there will be no additional instructions. Please refer to the Firmware upgrade instructions.

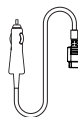
What's in the Box



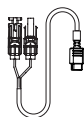
EcoFlow R600 PRO



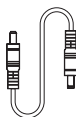
**AC Charging Cable
(Input)**



**Car Charge Cable
(Input)**



**Solar Charge Cable
(MC4 to XT60 Input)**



**DC5521-DC5525
Cable**



**User Manual and
Warranty Card**