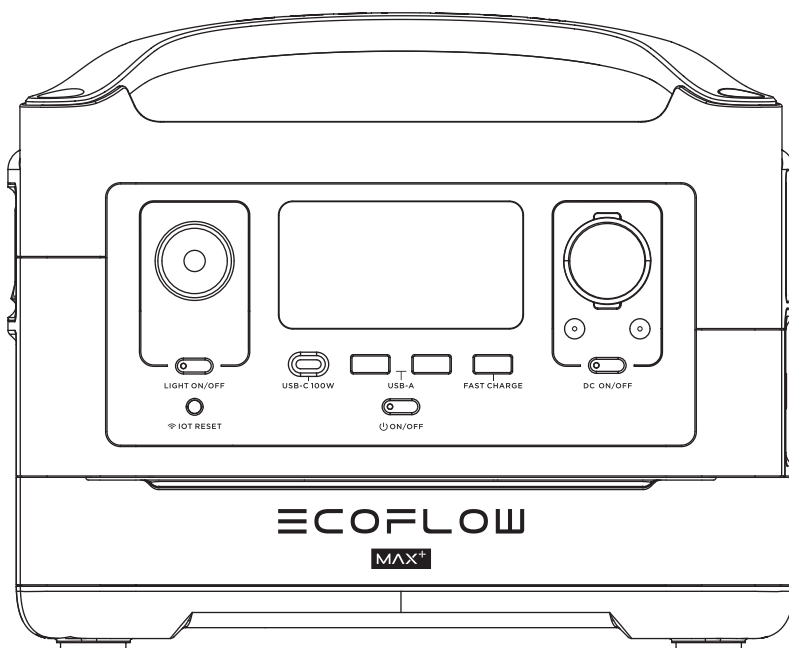


# ECOFLOW

## User Manual

### EcoFlow RIVER Max Plus



**WARNING**

1. Keep EcoFlow™ RIVER Max Plus ("RIVER Max Plus") and the accessories dry. DO NOT expose the product and accessories to high heat.
2. Never disassemble, puncture, shock, damage, or incinerate the product.
3. Recycle and dispose of RIVER Max Plus in accordance with local laws and regulations.
4. Pay attention to safety when handling the RIVER Max Plus.
5. Children or people with disabilities should use the product under adult supervision.

**Contact us:**  
[www.ecoflow.com](http://www.ecoflow.com)

# 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** 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. Failure to follow these instructions will render EcoFlow after-sales services and the product warranty void. 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.

# 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 Disclaimer

Read all safety tips, warning messages, terms of use and disclaimers carefully. Refer to the terms of use and disclaimer at <https://ecoflow.com/pages/terms-of-use> and stickers on the product before use. Users take full responsibility for all usage and operations. Familiarize yourself with the related regulations in your area. You are solely responsible for being aware of all relevant regulations and using EcoFlow products in a way that is compliant.

## 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 RIVER Max Plus could cause short circuits, component failure, fires or even explosions.
2. Never use non-EcoFlow parts. Go to <http://www.EcoFlow.com> to purchase new parts. EcoFlow takes no responsibilities for any damage caused by the use of non-EcoFlow parts.
3. Never install or remove other modules from the RIVER Max Plus 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. Using the product in environments above 140°F (60°C) may cause fires or explosions. Using the product below -4°F (-20°C) will severely affect the performance of the product. Allow the product to return to a normal operating temperature before using 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 puncture 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, accident, or a forceful jolt.
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 fire extinguisher, and carbon dioxide fire extinguisher.
9. DO NOT put the product in a microwave oven or in a pressurized container.
10. DO NOT allow pins, wires, or other metal pieces to enter the RIVER Max Plus case, outlets, or controls. Metal pieces may short circuit the product.
11. Avoid collisions. DO NOT place heavy objects on top of the RIVER Max Plus.
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 the inability to charge.

### **Product Charging:**

1. Always use EcoFlow approved charging cables. EcoFlow does not take any responsibilities for any damages caused by using non-EcoFlow charging cables.
2. DO NOT use RIVER series portable power station AC charging cables on DELTA series power stations. EcoFlow takes no responsibilities for any damages caused by customers' failure to follow instructions. Doing so will void the warranty.
3. When charging, please place the product on the ground with no flammable or combustible materials around it. To prevent accidents, never leave the product unattended during charging.
4. DO NOT charge the product immediately after a long or heavy load, because the device temperature may become too high. DO NOT charge the device until it cools down to room temperature.

### **Product Storage and Transportation:**

1. Keep the product out of the reach of children. If any child accidentally swallows any parts, please seek medical attention immediately.
2. If a low-battery warning appears, charge the product before storing it. Otherwise, long-term storage may cause damage to the batteries in the product. Batteries in the product will enter hibernation mode if they are depleted and stored for a long time. Recharging the product can bring the battery out of hibernation.
3. DO NOT place the product near a heat source, such as inside a car in direct sunlight, a fire source, or an operating stove.
4. Store the product in dry environments. Please keep it away from water.
5. Make sure no objects can fall on or around the product while it's being stored.
6. Never ship a product with a battery power level higher than 30%.

### **Product Battery Disposal:**

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

### **Product Maintenance:**

1. Temperature for normal use and storage of this product is -4°F to 113°F (-20°C to 45°C) and temperature for optimal use and storage of this product is 68°F to 77°F (20°C to 25°C).
2. If the product is not used for a long time, the battery life may be reduced.
3. Discharge RIVER Max Plus to 30%, then charge to 85% every 3 months to keep the battery healthy.

### **Travel Notice:**

Do not bring this product on flights.

# RIVER Max Plus Usage and Safety Guide

## Congratulations!

You are now an EcoFlow RIVER Max Plus user. This brief pamphlet is meant to help you. Please take some time to read it carefully before using the product.



### NOTICE

To turn RIVER Max Plus on or off, you need to PRESS and HOLD the ON/OFF System Power Button. To turn on the AC power outlet, you need to PRESS and HOLD the AC Button after turning on RIVER Max Plus. Users can turn off AC power when they don't need it and save power. Please follow this step-by-step introduction to understand RIVER Max Plus' buttons, display screen, and more. Please fully charge (100%) RIVER Max Plus before using it.

## FCC Statement:

This product complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This product may not cause harmful interference, and
- (2) This product 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 Download Guide

## 1. Download the EcoFlow App

- Search for “EcoFlow” in Google Play Store or App Store to download the app. You can also scan this QR code with your phone, or you can enter the download link in your browser:

***<https://ecoflow.com/pages/ecoflow-app>***

**2. For more information, please follow the instructions in the app or on our official website [www.ecoflow.com](http://www.ecoflow.com).**

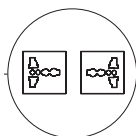
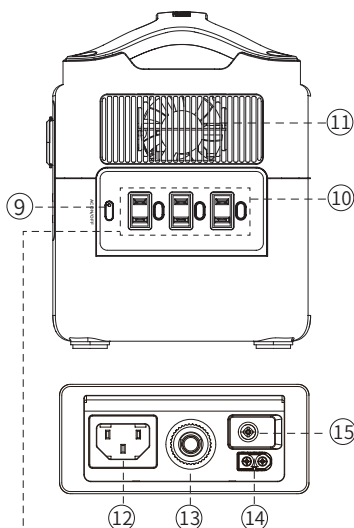
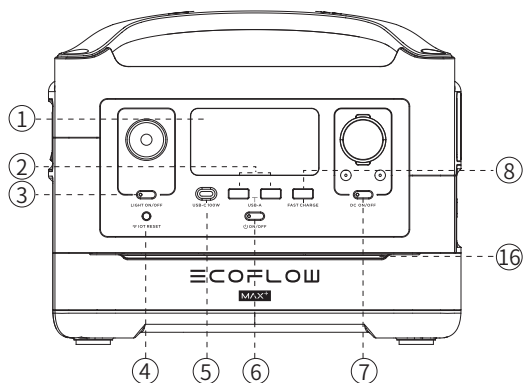


## Privacy Policy

By using EcoFlow Products, Applications and Services, you consent to the EcoFlow Term of Use and Privacy Policy, which you can access via the “About” section of the “User” page on the EcoFlow App or on EcoFlow Official website at

<https://ecoflow.com/pages/terms-of-use> and <https://ecoflow.com/pages/privacy-policy>.

# Features of the RIVER Max Plus



## 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 Wi-Fi)

### 5. USB-C 100W Output Port

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

### 7. DC Output ON/OFF Button (Car Outlet, 2 DC 5521 Output Ports) & DC Output Indicator

### 8. Fast Charge USB-A Output Port

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

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

### 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. Ambient Light

## 1. LCD Display

Displays various conditions of the product.

## 2. USB-A Output Ports

Charge a wide array of devices such as smart phones, tablet, GoPro, speakers, or anything else that could be charged through USB-A Port. The USB-A output icon will appear on the LCD display when a USB-A 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 Wi-Fi)

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 Wi-Fi. 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, can be charged by the RIVER Max Plus USB-C port. The USB-C Output icon will appear on LCD Display when the USB-C port is in use.

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

Press the system power button once to turn the RIVER Max Plus on. Press and hold the system power button to turn the RIVER Max Plus off. When RIVER Max Plus is turned on, the power indicator is in breathing mode, and the display is on; When the RIVER Max Plus is running, you can switch on or off the display screen by pressing the Power Button once. When RIVER Max Plus senses that any output port is in use, the display will automatically light up. The RIVER Max Plus screen will enter into the sleep mode after being in idle for more than 5 minutes, but the battery will still be running. The system standby time is 2 hours by default. You can set up the system standby time and screen standby time via the App.

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

Press DC ON/OFF to turn on or off RIVER Max Plus DC power. The DC power button controls the RIVER Max Plus'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 used in vehicles. When the DC ON/OFF switch is on, the product will not shut down on its own until it runs out of power.

### 8. Fast Charge USB-A Output Port

The USB-A output icon will appear on the LCD display when the 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 AC Output Indicator

The AC power button controls the AC output of the RIVER Max Plus. 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 RIVER Max Plus is enabled, the AC indicator will light up. If the AC power is not used for more than 12 hours, the AC ports will turn off automatically.

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

Charge devices that require a 220-240V (220-240V region)/100-120V (100-120V region) wall charger such as laptops, TVs, refrigerators, vacuums, etc. The X-Boost feature enables the built-in 600W inverter to support 600W to 1200W devices by lowering their power required. This feature does not support all electrical devices with higher power rating, please test to confirm before use. It is not recommended to use the RIVER Max Plus to power heavy-duty devices e.g., air conditioners, coffee machines, clothes dryer, electric camp stoves, full size refrigerators, microwaves, mowers, ovens, washing machines etc.

### 11. Ventilation Fan

The fan prevents RIVER Max Plus from overheating. Please make sure nothing blocks the vents at both ends of the RIVER Max Plus.



## 12. X-Stream Charging Input Port

Plug in the AC Charging Cable into the port and connect the AC Charging Cable to an AC power source. The U.S. and Japanese version support 100Vac-120Vac (50Hz/60Hz) / international version supports 220Vac-240Vac (50Hz/60Hz) charging.

## 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 product is confirmed to be normal, press the overload protection switch button to continue charging.

## 14. Solar Charge/Car Charge Input Port

Connect at most two 110W solar panels in parallel to recharge RIVER Max Plus. RIVER Max Plus supports a solar input of 10-25Vdc, 200W, 12A Max. RIVER Max Plus supports 12V car charge up to 8A. (Remember to start the engine when you charge via car charge, otherwise, the car battery may be drained.) Do not use the same cigarette lighter port to charge other devices when recharging RIVER Max Plus. The RIVER Max Plus outlets can still be used to charge your devices when the RIVER Max Plus is recharging via car charge.

## 15. Power Earth Screw

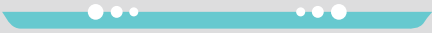


For safety reasons, some electrical appliances need to be grounded. The power earth screw provides an option to get your RIVER Max Plus grounded using a grounding cable.

## 16. Ambient Light

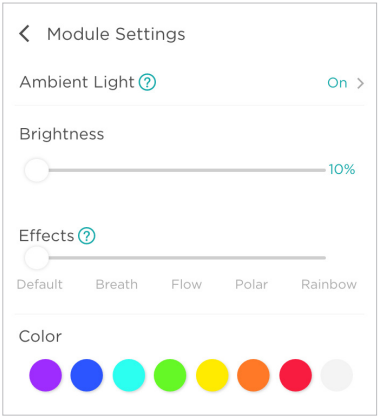
Show power and charging status signals. Adjust the color, brightness and lighting mode on the EcoFlow App.

# Ambient Light

## 1. Status Signals

	Power ON: The blue light will move from the middle to the sides of the panel.
	Power OFF: The blue light will move from the sides to the middle of the panel.
	Charging: The blue light will move from left to right of the panel, repeatedly.

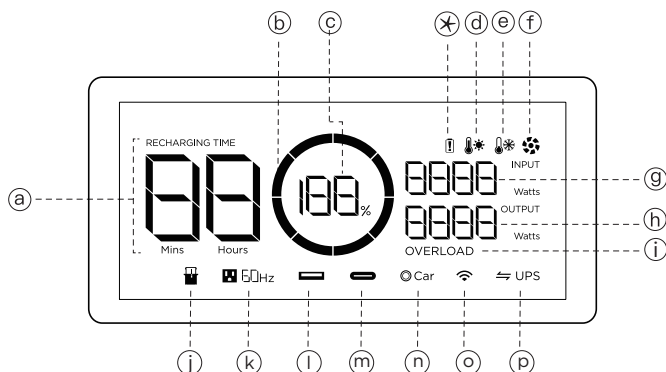
## 2. Customizing the Ambient Light



Enter Module Settings on the EcoFlow app to access ambient light features.

- The ambient light can be turned on / off, kept on, or put on a standby mode.
- Select the ambient light color.
- Adjust the brightness of the light.
- Select the lighting mode. (There are five unique lighting modes to choose from).

# LCD Display



## a. Remaining Charge/Discharge Time

This number indicates the remaining charge / discharge time (mins).

## b. Battery Level Indicator

Shows the remaining power. The icon rotates while charging. When remaining power reaches 0%, the icon flashes to warn of low battery. Please charge RIVER Max Plus immediately.

## c. Battery Level Percentage

Shows the remaining power (%). If the display shows 0%, please charge RIVER Max Plus immediately.

## d. High Temperature Indicator

When the temperature of the RIVER Max Plus is too high, a high-temperature warning icon appears on the screen. Please cool down the product before use.

## e. Low Temperature Indicator

When the temperature of the RIVER Max Plus is too low, a low-temperature warning icon appears on the screen. Please warm up the product properly before use.

## f. Fan Indicator

Shows the fan speed, which is controlled by RIVER Max Plus automatically.

## g. Current Input

Shows the current input power of RIVER Max Plus in watts.

## h. Current Output

Shows the current output power of RIVER Max Plus in watts.








### i. Overload Warning

The overload icon appears along with a second icon indicating what part of the RIVER Max Plus is in an overload condition.

### ✖. Battery Indicator





Refers to the battery








### Port Usage Indicators

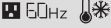

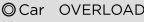

j	<b>Extra Battery Indicator</b> 	The Extra Battery icon will appear when Extra Battery is connected to the main model.
k	<b>AC Indicator</b> 	The AC indicator icon will appear when the AC power button is turned on.
l	<b>USB-A Indicator</b> 	The USB-A output icon will appear on the LCD display when a USB-A port is in use.
m	<b>USB-C Indicator</b> 	The USB-C output icon will appear on the LCD display when a USB-C port is in use.
n	<b>Car Power Output Indicator</b> 	The Car Power Output icon will appear on the LCD display when a Car Output port is in use.
o	<b>IOT Indicator</b> 	The icon will appear when the unit is connected to the App.
p	<b>UPS Indicator</b> 	When the SOC (State of Charge) is set in the EcoFlow App, the UPS icon will appear on the screen.

## Protection and Error Information

The RIVER Max Plus display screen showcases different icons to indicate errors or prompts. Read the information below to understand the icons and what to do when they appear.

 OVERLOAD	<b>USB-A Overload Protection</b>	Icon(s): USB-A and OVERLOAD icons flash together. What to do: Disconnect all electrical appliances and wait 10 seconds before connecting each appliance again.
	<b>USB-C High-Temperature Protection</b>	Icon(s): USB-C and High-Temperature icons flash together. What to do: Disconnect all electrical appliances and wait until RIVER Max Plus has cooled down before connecting each appliance back.
 OVERLOAD	<b>USB-C Overload Protection</b>	Icon(s): The USB-C icon and the OVERLOAD icon flash together. What to do: Unplug the appliances, the unit will automatically resume operation after 10 seconds.
RECHARGING TIME 	<b>High-Temperature Recharging Protection</b>	Icon(s): Recharging Time, Battery Exclamation, and High-Temperature icons flash together. What to do: This will happen especially when you recharge the RIVER Max Plus immediately after a heavy battery use. Disconnect Charging Cables and all electrical appliances and wait until RIVER Max Plus has cooled down before plugging Charging Cable back in and recharging.

	<b>High-Temperature Discharging Protection</b>	Icon(s): Battery Exclamation and High-Temperature icons flash together. What to do: Turn OFF System Power and let RIVER Max Plus cool down before turning the System Power back on.
RECHARGING TIME 	<b>Low-Temperature Recharging Protection</b>	Icon(s): Recharging Time, Battery Exclamation, and Low-Temperature icons flash together. What to do: Disconnect Charging Cables and all electrical appliances and place RIVER Max Plus in warmer place before plugging Charging Cable back in and recharging.
	<b>Low-Temperature Discharging Protection</b>	Icon(s): Battery Exclamation and Low-Temperature icons flash together. What to do: Turn OFF System Power and place RIVER Max Plus in warmer place before turning the System Power back on.
RECHARGING TIME  OVERLOAD	<b>Overload Recharging-protection</b>	Icon(s): Recharging Time, Battery Exclamation, and OVERLOAD icons flash together. What to do: Unplug the charging cables, restart the RIVER Max Plus, and plug back the charging cables back in.
 OVERLOAD	<b>Overload Discharging Protection</b>	Icon(s): Battery Exclamation and OVERLOAD icons flash together. What to do: Disconnect all appliances, restart the RIVER Max Plus, and add each appliance back in in turn. Please note that electrical appliances must be operated within rated power.
	<b>Communication Failure between the Main Board and BMS</b>	Icon(s): Exclamation icon flashes. What to do: Restart the RIVER Max Plus.
	<b>Light stays on</b>	Icon(s): Exclamation icon flashes. What to do: Restart RIVER Max Plus.
 50Hz	<b>Communication Failure between the Main Board and AC</b>	Icon(s): AC icon flashes. What to do: Restart the RIVER Max Plus.
 50Hz OVERLOAD	<b>Inverter Output Overload</b>	Icon(s): AC and OVERLOAD icons flash together. What to do: Turn off RIVER Max Plus. Unplug all appliances. Wait 10 seconds, turn System Power ON then AC Power ON and plug each appliance back in in turn. If the icons keep flashing, do not charge or discharge the unit. Please note that electrical appliances must be operated within rated power. (For more information about X-Boost function, go to P12.
 50Hz 	<b>Inverter High-Temperature Protection</b>	Icon(s): AC and High-Temperature icons flash together. What to do: Turn off RIVER Max Plus and let it cool down. Then turn System Power On and AC Power On.

	<b>Inverter Low-Temperature Protection</b>	<p>Icon(s): The AC and Low-Temperature icons flash together.</p> <p>What to do: Turn off RIVER Max Plus, move RIVER Max Plus to a warmer place and wait for the inverter to warm up. Turn the AC Power off; the unit will automatically recover.</p>
	<b>Fan Blockage</b>	<p>Icon(s): Fan icon flashes.</p> <p>What to do: Turn the RIVER Max Plus off, carefully clean, and vacuum around the vents on both sides of the product. Then turn the RIVER Max Plus on.</p>
	<b>Car Charger Overload</b>	<p>Icon(s): Car and OVERLOAD icons flash together.</p> <p>What to do: Restart RIVER Max Plus, make sure all electrical appliances are used within the specified power range.</p>
	<b>Car Charger High-Temperature Protection</b>	<p>Icon(s): Car and High-Temperature icons flash together.</p> <p>What to do: Turn RIVER Max Plus off and let it cool down. Turn System Power On then DC Power On.</p>

\*If the product is not operating properly or the icon keep flashing, please contact the customer support team.  
Do not charge the unit.

# Connecting the Solar Panels

The RIVER Max Plus can support a 10-25V DC input. When the input exceeds 25V, the RIVER Max Plus overvoltage protection will be activated. Overvoltage may damage the product. Users should read these instructions carefully because any incorrect use of solar panels that leads to product damage will void the EcoFlow warranty.

## How to Recharge the RIVER Max Plus Using Solar Panels

For full step-by-step instructions about how to connect RIVER Max Plus with solar panels, please refer to the Solar Panel User Guide.

### 1. Recommend Charging Method

Users can connect a solar panel as shown in Example 1. DO NOT attempt to connect more than one solar panel in series.

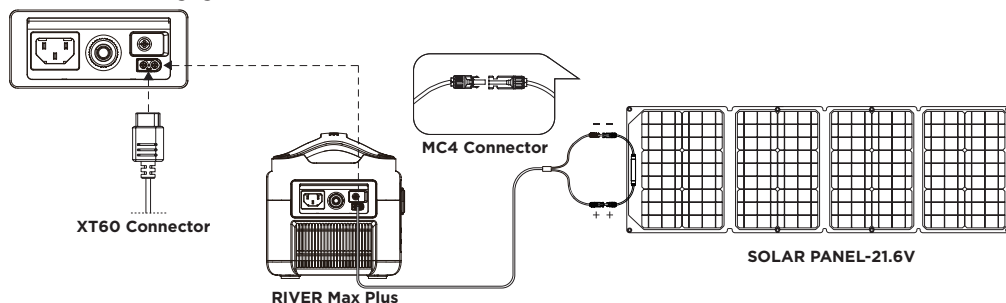
1. Connect the solar panel to the MC4 to XT60 Solar Charging Cable. Connect the XT60 connector to the RIVER Max Plus' XT60 input port to charge the RIVER Max Plus. Users can connect up to 2 sets of solar panels in parallel to the MC4 port as shown in Example 2.

2. If you want to connect 2 sets of solar panels, connect them with our solar MC4 parallel connection cable and connect the solar MC4 parallel connection cable to the MC4 to XT60 Solar Charging Cable. Then Connect the XT60 connector to the RIVER Max Plus' XT60 input port to charge the device. The parallel connection cable is an optional accessory that is sold separately.

Note: The EcoFlow Solar MC4 Parallel Connection cable is an optional accessory that needs to be purchased separately. The charging methods below are with respect to using the EcoFlow 110W Solar Panel.

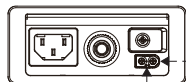
### Charging Method 1

RIVER Max Plus Charging Port

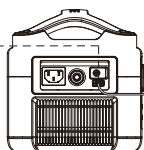


## Charging Method 2: (Parallel Connection Only)

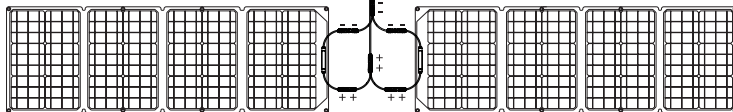
### RIVER Max Plus Charging Port



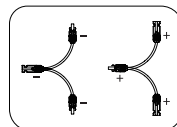
XT60 Connector



RIVER Max Plus



SOLAR PANEL-21.6V X2

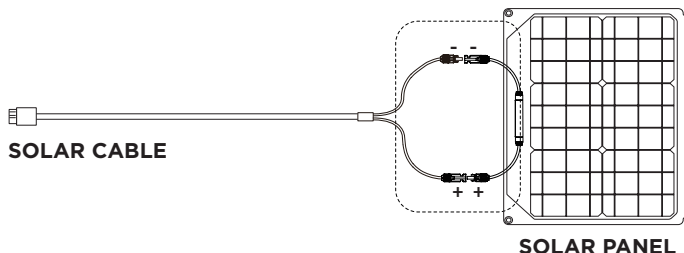


### Solar MC4 parallel connection cable

\* Users need to buy the solar panels and related parallel connection accessories on their own.

## 2. Connecting Third-Party Solar Panels to RIVER Max Plus

Users can buy their own third-party solar panels to power RIVER Max Plus, provided that the solar panels have a standard MC4 connection and the voltage and current (10-25V DC, 12A Max) comply with the specifications of RIVER Max Plus. The third-party solar panels will be able to recharge RIVER Max Plus through the MC4 to XT60 cable. EcoFlow does not provide free repair services for any damage to the power station caused by third-party products.



## Entry-Level UPS

### RIVER Max Plus Entry-level UPS Use Reminder

RIVER Max Plus' X-Stream system supports an entry-level UPS function. You can use the RIVER Max Plus AC socket while the RIVER Max Plus is connected to an AC power source (your devices or appliances connected the RIVER Max Plus AC socket will get power from the AC power source, not the RIVER Max Plus battery). When the AC power source loses power suddenly, the RIVER Max Plus will switch to provide power to the devices and appliances connected to it in <30ms. This is considered as an "entry-level" grade UPS function that does not support 0ms switching.

Do not connect devices with strict uninterrupted power supply requirements. Perform multiple tests to confirm compatibility before connecting devices such as data servers and workstations with RIVER Max Plus. EcoFlow will not be responsible for any loss of data or equipment damages caused by customers' failure in following the instruction.

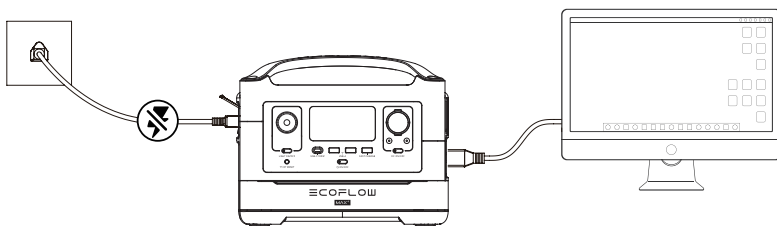
In accordance with the UL2743 standard, the AC outlets of the RIVER Max Plus are in a double blade, ungrounded configuration, it is recommended to use the UPS function only for temporary emergency usage rather than for long-term usage. DO NOT connect the RIVER Max Plus to devices or electrical appliances with bare metal when charging to avoid the risk of electric shock.



## Entry-Level UPS User Guide

Users can connect the AC charging cable of RIVER Max Plus to an AC power source, connect a device to RIVER Max Plus, and turn on the AC switch to automatically enter the entry-level UPS mode. When the AC power source is cut off, power will be supplied from the battery of RIVER Max Plus to power your device (as shown below).\*

**UPS is only applicable to electrical appliances below 600W. To avoid an Overload condition, do not attempt to power any equipment drawing more than 600W of power. EcoFlow will not be responsible for any loss of data or equipment damages caused by careless use or customers' failure to follow the instructions. Only one RIVER Max Plus can conduct the UPS function; the UPS function is not available when more than one RIVER Max Plus is connected together. Please follow the connection instructions below:**



## AC X-Boost Mode

With the built-in 600W inverter, you can use the X-Boost feature to power 600W-1200W appliances without the disruption caused by overload protection. Traditional inverters will overload when one electrical appliance with a higher rated power is connected. Meanwhile, RIVER Max Plus' built-in inverter, which has the X-Boost feature, enables the powering of 600W-1200W electrical appliances. Please take note of the following when using X-Boost:

1. The X-Boost mode is enabled by default. You can use the EcoFlow App to turn this function on/off.
2. The X-Boost mode is not available in the following situations: the charging state and X-Boost mode off state.
3. **When using appliances with a rated power of 600W-1200W, please connect only one appliance. When connecting more than one electrical appliance, the change of voltage may affect the usage of other electrical devices.\***

\* You may use electrical appliance with heating elements and a rated power between 600W-1200W, such as hair dryers and electric kettles. But 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. It is not recommended to use the RIVER Max Plus so charge heavy-duty devices, such as air conditioners, coffee machines, clothes dryer, electric camp stoves, full size refrigerators, microwaves, mowers, ovens, washing machines etc.

# Technical Specifications

## General Specs

Net Weight	17.6 lbs (8.0kg)
Dimensions	11.4 x 7.3 x 9.3 in (28.9 x 18.4 x 23.5 cm)
Pack Capacity	720Wh (28.8V, 25Ah)
Single Cell Equivalent Capacity	200,000mAh @ 3.6V
Testing and certification	UL Standard, CE, FCC, RoHS, RCM

## Outputs

AC Output (x3) / (x2 International Version) Full Sine Wave	600W (Surge 1200W) total, 120Vac (50Hz/60Hz) / 230Vac (50Hz/60Hz)
USB-A Output (x2)	5Vdc, 2.4A, 12W Max, per port
USB-A Fast Charge (x1)	5Vdc, 9Vdc, 12Vdc, 2.4A, 28W Max
USB-C Output (x1)	5Vdc, 9Vdc, 12Vdc, 15Vdc, 20Vdc, 5A, 100W Max
Car Power Output (x1)	136W, 13.6Vdc, 10A Max
DC5521 Output (x2)	13.6Vdc, 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 660W Max
Solar Charge Input	200W, 10-25Vdc, 12A Max
Car Charger (Example 2)	12Vdc 8A Max

## Battery

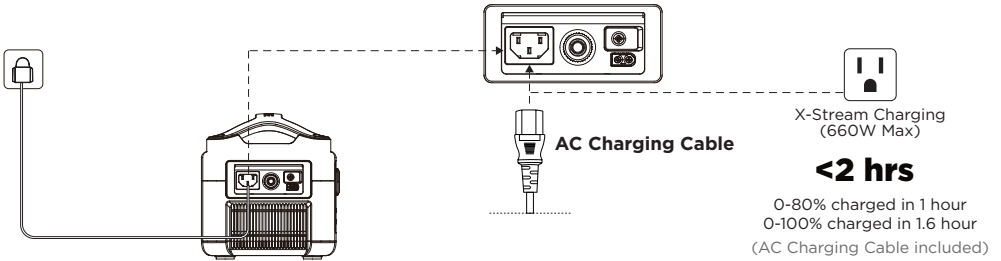
Cell Chemistry	Lithium-ion
Discharge Temperature*	-4°F to 140°F (±5°F), -20°C to 60°C (±3°C)
Charge Temperature*	32°F to 113°F (±5°F), 0 to 45°C (±3°C)
Shelf Life	1 Year (after fully charging the device)
Cycle Life	800 cycles to 80%+ capacity

\* Please Note: The following information has been obtained under supervised test conditions.

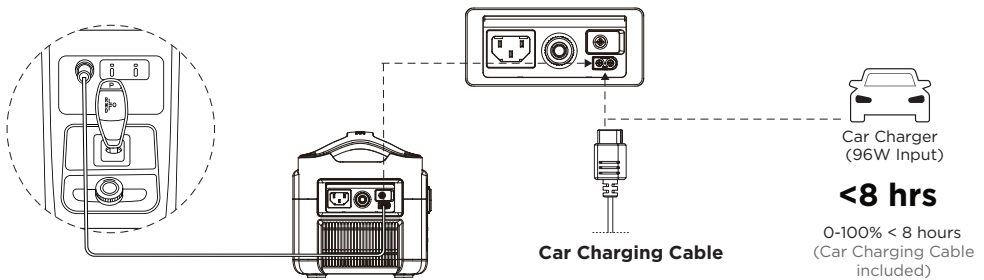
# How to Recharge RIVER Max Plus

RIVER Max Plus has an AC charging port and an XT60 charging port located on the side. RIVER Max Plus can be charged with a 12V car charger, solar panels, or with AC power.

## Example 1:



## Example 2:



## Can RIVER Max Plus Power Devices and Charge at the Same Time?

Yes, RIVER Max Plus can power devices at the same time as charging.

# RIVER Max Plus FAQ

## How to Clean RIVER Max Plus?

RIVER Max Plus is a versatile, durable power station that can be used in many types of applications. You can clean RIVER Max Plus using a dry, non-abrasive cloth. Use detergent that is used for cleaning mobile phones and computer screens if you need to clean RIVER Max Plus more thoroughly. DO NOT expose RIVER Max Plus to excessive amounts of liquid, as doing so can damage the product or result in injury.

## How to Store RIVER Max Plus?

Store RIVER Max Plus in a dry and cool environment, away from any abrasive objects. DO NOT store or place RIVER Max Plus near water. Please turn off the RIVER Max Plus and store it within its recommended use and storage temperature range. If you need to store the RIVER Max Plus for a long time, please discharge the RIVER Max Plus to 30%, then charge it to 85% every 3 months.

## How to Use RIVER Max Plus Safely?

Please use RIVER Max Plus in its recommended operating temperature range. Using RIVER Max Plus out of the recommended operating temperature range may cause the power station to exceed safe and effective working limits. RIVER Max Plus is not waterproof. DO NOT immerse RIVER Max Plus in water. Doing so will void the warranty.

If RIVER Max Plus is used to power electrical devices with heating elements for over 30 minutes, such as a hairdryer, the power station may enter a high-temperature protection mode. Please wait for about 1 hour before charging the River Max Plus, or using it to power devices again.

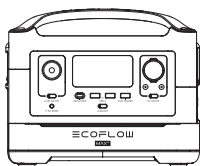
## How to Upgrade RIVER Max Plus Firmware?

The firmware can be upgraded using the EcoFlow App. Turn on the RIVER Max Plus before firmware upgrade. It is recommended that the RIVER Max Plus is connected to an AC power source or has about 50% battery level when upgrading. Please do not use RIVER Max Plus to recharge your appliances and devices during firmware upgrade. For more details, please refer to “How to upgrade firmware” FAQ in the EcoFlow App.

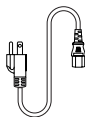
## Is RIVER Extra Battery compatible with RIVER Plus?

No. RIVER Extra Battery is only compatible with RIVER power station. It does not work with RIVER Plus power station. RIVER Plus Extra Battery is only compatible with RIVER Plus power station. It does not work with RIVER power station.

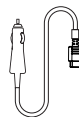
## What's in the Box



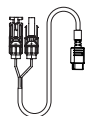
**RIVER Max Plus**



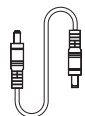
**AC Charging Cable  
(Input)**



**Car Charging Cable  
(Input)**



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



**DC5521-DC5525  
Cable**



**User Manual and  
Warranty Card**

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