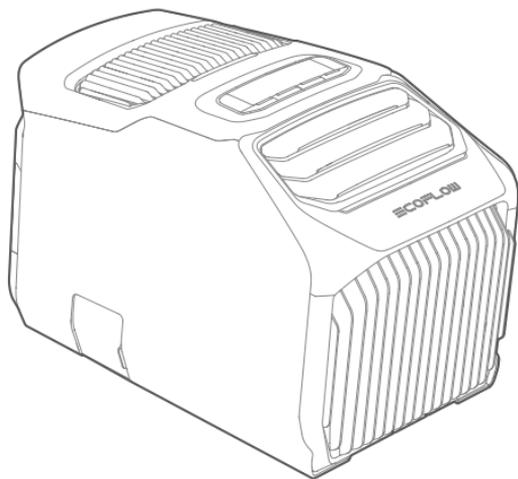


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EcoFlow Wave 2

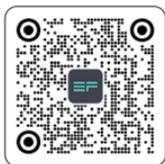
User Manual V1.0



Disclaimer

Please read the product document and ensure that you understand it fully before using the product. After reading this document, keep it for future reference. Improper use of this product may cause serious injury to yourself or others, or cause product damage and property loss. Once you use this product, it is deemed that you understand, approve and accept all the terms and content in this document. EcoFlow is not liable for any loss caused by the user's failure to use the product in compliance with the Disclaimer and Safety Instructions.

In compliance with laws and regulations, EcoFlow reserves the right to final interpretation of this document and all documents related to the product. This document is subject to changes (updates, revisions, or termination) without prior notice. Please visit EcoFlow's official website to obtain the latest product information.



<https://www.ecoflow.com/support/download/wave-2-portable-air-conditioner>

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Specifications

Cooling/Heating Specifications	
Model	EFKT210
Cooling Capacity/Heating Capacity	1500 W/1800 W
Temperature Setting Range	16°C-30°C (60°F-86°F)
Refrigerant	R290 (130g)
Air Flow Volume	290 m³/h
Cooling/Heating Rated Input (AC)	560 W
Cooling/Heating Rated Input (DC)	505 W
Maximum Cooling/Heating Power	700 W
Input Specifications	
AC Input	100-240 V~50/60 Hz, 820 W max
Car Charging Input	12V/24 V 8 A, 200 W max
Solar Input	11-60 V 13 A, 400 W max
External Battery Pack Input	700 W max
Other Specifications	
No-Drain Function	Supported (in cooling state)
Overflow Shutdown Function	Supported
IP Rating	IPX4
Noise Level	48-56 dB
Permissible Pressure Range (High Pressure/Low Pressure)	2.24 MPa/0.74 MPa
Ambient Temperature for Operation	0°C-50°C (0°F-122°F)
Energy Rating	
Cooling/Heating (AC)	2.7/2.7
Cooling/Heating (DC)	2.7/2.7
General Information	
Net Weight	Approximately 14.5 kg (32.0 lbs)
Dimensions (L × W × H)	518×297×336 mm (20.4 x 11.7 x 13.2 inches)
Wi-Fi/Bluetooth	Supported

Safety Instructions

Use

1. Do not use this product near a heat source (such as fire or heater), and avoid direct exposure to sunlight. Doing so may cause flammable liquids to leak or explode.
2. If the product catches fire by accident, we recommend that you use fire extinguishers in the following order: water or water mist, sand, fire blanket, dry powder, and carbon dioxide.
3. Keep the product away from any liquid. Do not get the product wet, and try to avoid working in a wet location.
4. If the product is wet inside, immediately turn the power off and remove the power cord, and place them in a safe open area. Stay away from the product until it is dry. Please take measures to prevent electric shock when touching it. Do not operate or discard the dry product without authorization. Please contact the customer service to dispose of it properly.
5. If there is dirt in any outlets, clean it with a dry cloth.
6. Do not use this product in environments with strong static electricity or magnetic fields (such as a thunderstorm).
7. Do not touch product outlets with wires or other metal objects, otherwise the product may short circuit.
8. Do not put your fingers into the air inlet/outlet.
9. Do not disassemble the product or extend any power cord without authorization since this may result in electric shock or even fire.
10. If the product components or power cords are damaged, they must be repaired and replaced by the manufacturer, dealer or qualified electrical engineer to avoid hazardous conditions.
11. Do not place the battery where the air pressure is extremely low. As this may cause flammable liquids to leak or explode.
12. Do not stand or sit on the product.
13. Do not pile heavy objects on the product.
14. Do not obstruct the air inlet/outlet or exhaust pipe during operation.
15. During the operation or transportation of the product, please avoid external damages, like drops or impact to prevent any damages to the internal compressor. If the product is tilted or impacted by a strong external force, immediately turn the power off and remove the power cord. Leave it to stand for at least 6 hours before using.
16. Please store the product where it is dry and ventilated, and ensure that the distance between the air inlet/outlet and the wall is >0.5 m.
17. Do not use unofficial components or accessories since they will void your warranty. If they need to be replaced, please purchase them through the official EcoFlow distribution channels.
18. Please keep the product out of the reach of pets. Children should not operate this product without supervision.
19. Electromagnetic fields created by this product may affect the normal functioning of medical implants or personal medical devices, such as pacemakers, cochlear implants,

hearing aids, defibrillators and so on. If you are using these medical devices, please consult the manufacturers about the restrictions on the use of relevant devices to ensure that a safe distance is maintained between this product and the implanted medical devices (such as pacemakers, cochlear implants, hearing aids, defibrillators and so on) during operation.

21. This appliance can be used by children aged 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children should not play with the appliance. Cleaning and maintenance should not be made by children without supervision.



22. This product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

Grounding Guide

1. This product must be grounded. The product may fail when it is charged. The risk of electric shock can be greatly reduced with a ground wire. This product is equipped with a power cord which has a grounding conductor and a ground plug. The ground plug must be connected to a socket with a ground wire in compliance with local laws.
2. Improper ground connection may lead to the risk of electric shock. If you are not sure whether the product is properly grounded, please consult a qualified electrical engineer. Do not modify the plug delivered with the product without authorization. If the plug cannot be used normally, please consult a qualified electrical engineer.

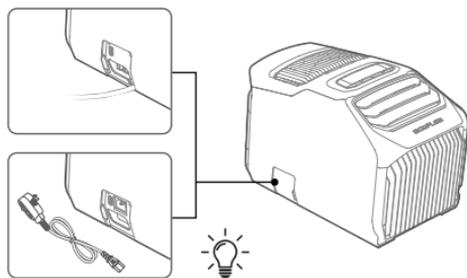


EcoFlow App

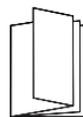


Control, monitor and customize your EcoFlow Wave 2 from afar with the EcoFlow App.

What's in the Box



Wave 2



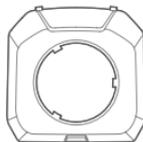
User Manual & Warranty Card



Exhaust duct adapter cover A



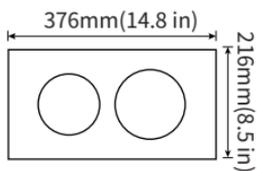
Exhaust duct adapter cover B



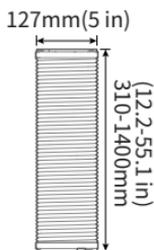
Exhaust duct adapter cover C



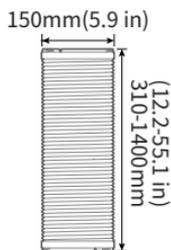
Winder



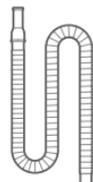
Window baffle



Exhaust duct D



Exhaust duct E



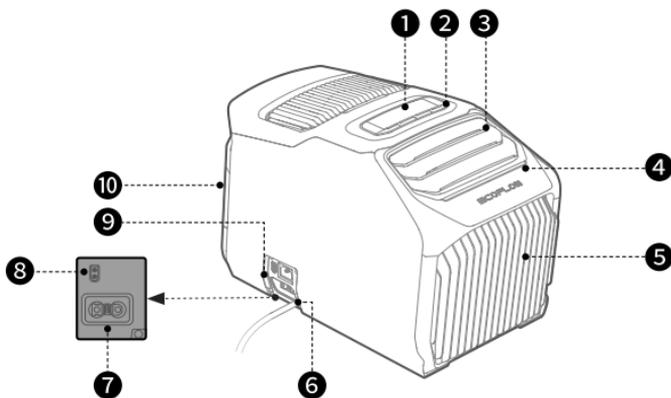
Drain pipe



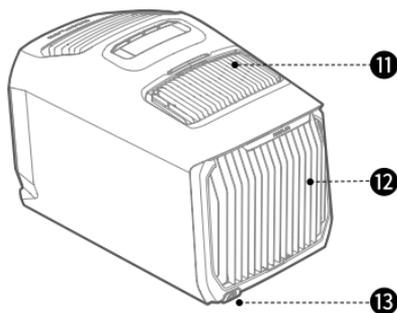
The types of AC charging cable(pluggable/embedded) vary due to local regulatory requirements, please refer to the actual product.

Product Details

Overview



- 1. LCD
- 2. Control buttons
- 3. Front air outlet fan blade
- 4. Ambient light
- 5. Front air inlet & air filter
- 6. AC charging cable
- 7. Add-on battery socket (XT150)
- 8. Solar/car charging socket (XT60)
- 9. Charging port cover
- 10. Winder socket



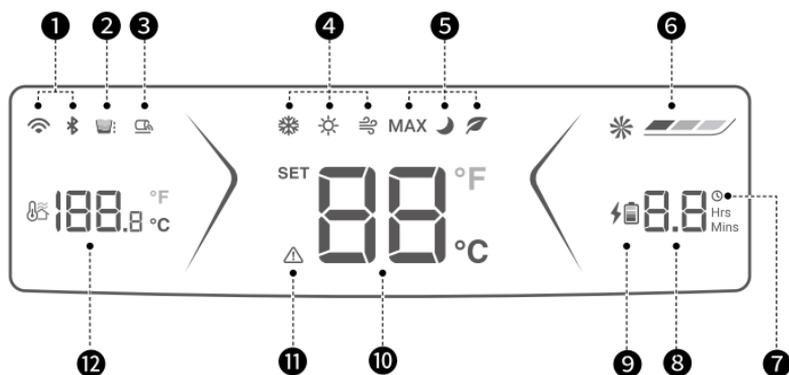
- 11. Rear air outlet
- 12. Rear air inlet & air filter
- 13. Drainage outlet

Introduction to light effect



Breathing blue		Cooling status
Breathing orange		Heating status
Breathing white		Fan status
Red light constant on		Error alarm
Flashing white		Firmware update

LCD

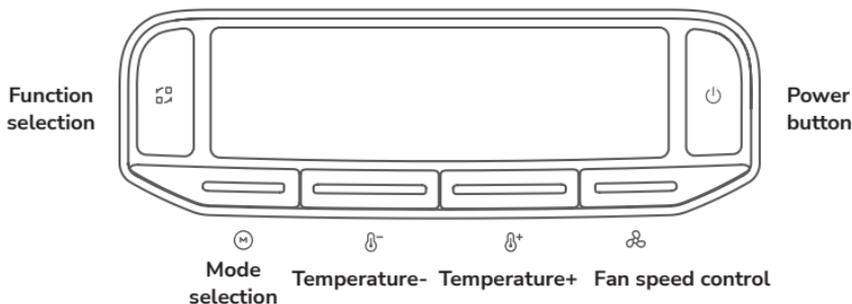


- | | |
|---------------------------------|--|
| 1. Wi-Fi/Bluetooth | 7. Timing (Supported in app settings only) |
| 2. Water level indication | 8. Remaining charge/discharge time |
| 3. External drainage indication | 9. Add-on battery charge indication |
| 4. Cooling/Heating/Fan function | 10. Temperature setting/Error code |
| 5. Max/Sleep/Eco mode | 11. Error alarm |
| 6. Fan speed | 12. Ambient/air outlet temperature |



Refer to Fault Indication and Troubleshooting for solutions in case of error alarms.

Control Buttons



Power button

Press Power-on/Screen-off. If there is no operation within 5 minutes, the LCD and ambient light will be off automatically. Press any button to wake them up.

Press and hold Press and hold it for 3 seconds for power-off.

Function selection

Press Switch cooling ❄/heating ☀/fan 🌀 functions. In case of cooling/heating switching, there will be down time lasting appropriately 2 minutes for protection.

Press and hold Press and hold it for x seconds to reset Wi-Fi 📶 and Bluetooth 📶. If reconnection is required, please open the EcoFlow app to complete operations.

Mode selection button (available for cooling/heating only)

Press Switch max MAX/sleep 🌙/eco 🌿 /custom mode. The temperature or fan speed can not be set at max mode, and Wave 2 will work at maximum power.

Press and hold Press and hold it for 1 second to switch real-time ambient temperature 🌡/real-time air outlet temperature 🌡.

Temperature+/Temperature- button

Press Setting of temperature and cooling/heating temperature range: 16°C-30°C. The fan function does not support temperature setting.

Press and hold Switch the temperature units by pressing and holding the Temperature+ and Temperature- buttons simultaneously for 1 second °F / °C.

Fan speed control button

Press Fan speed setting (Low 🌀 /medium 🌀 /high 🌀 /triple position).

Press and hold Turn on the external circulation drainage of the water tank 🚰.

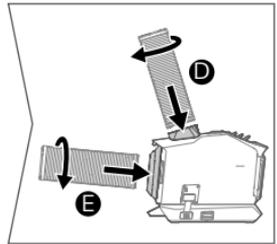
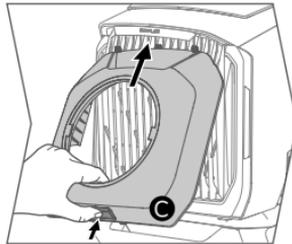
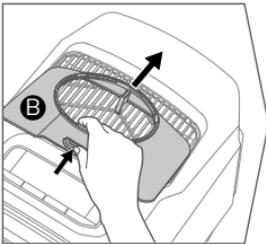
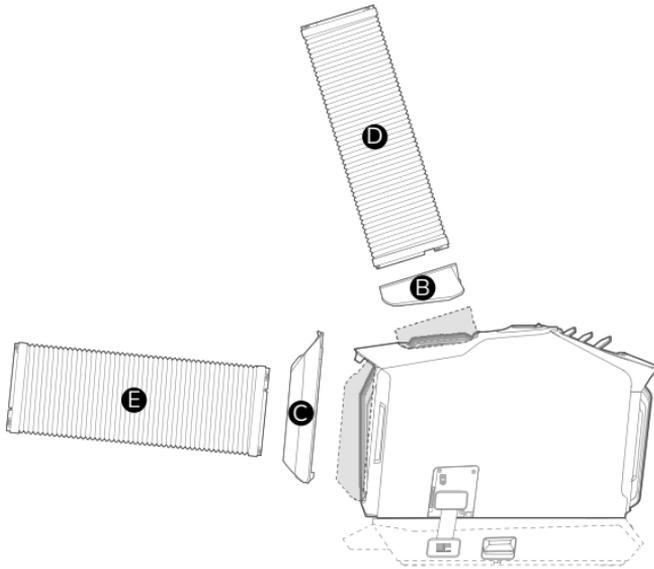
* Please read the section of [How to Drain] when using the external circulation drainage function.

Getting Started

How to Install

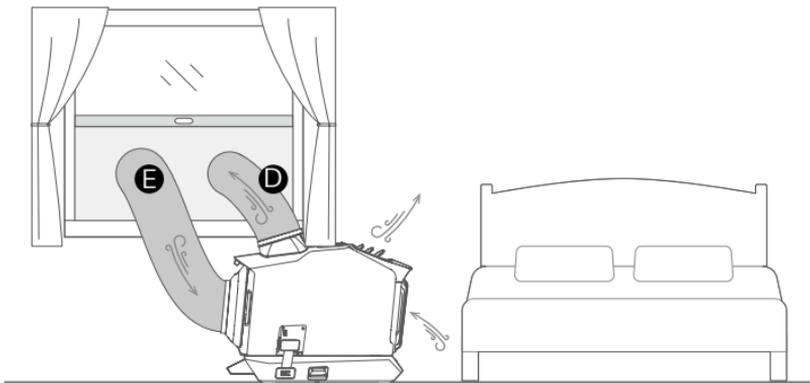
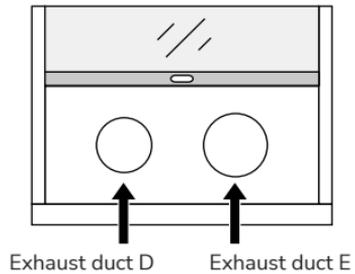
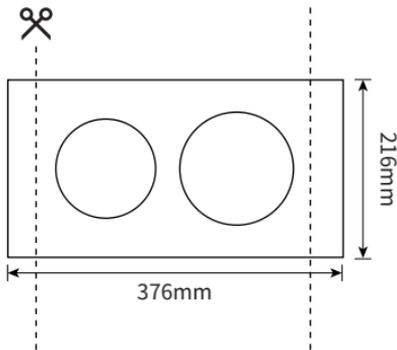
Indoor Applications

When the air conditioner is used in an enclosed space, you can discharge the exhaust gas by installing an air conditioner exhaust duct for more efficient cooling or heating. The exhaust duct shall not be excessively stretched or bent when it is connected to avoid wind drag that affects the working efficiency of air conditioner.



DIY Instructions on Window Baffle

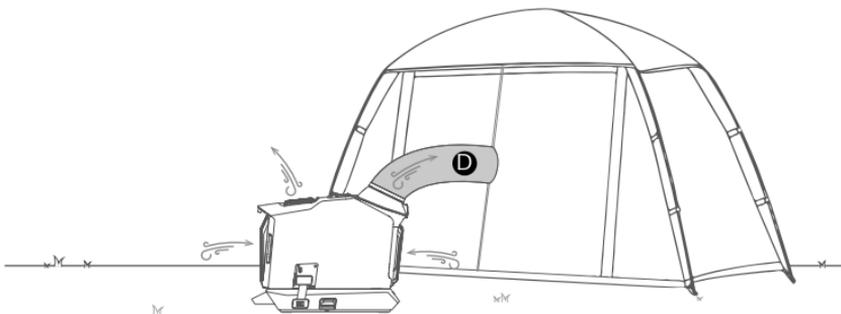
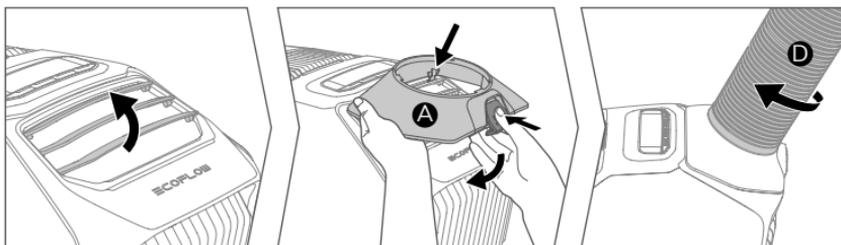
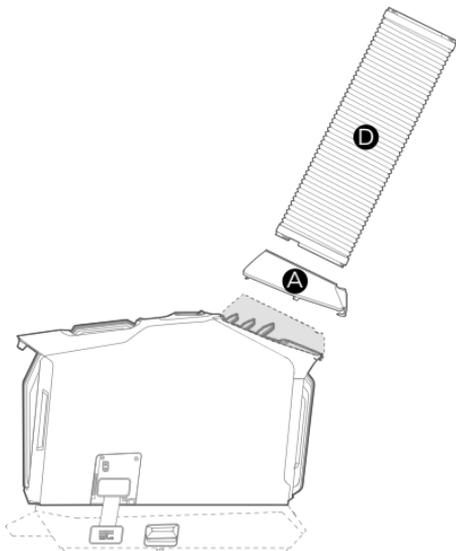
A window baffle is delivered with Wave 2. The baffle can be used after being cut based on the dimensions of the window frame. For the cutting, it is recommended to reserve certain error space to avoid failure of sealing out of too large gap due to expansion caused by heat and contraction caused by cold.



Do not use the exhaust duct in rainy and snowy days to avoid damaging the product due to wetness.

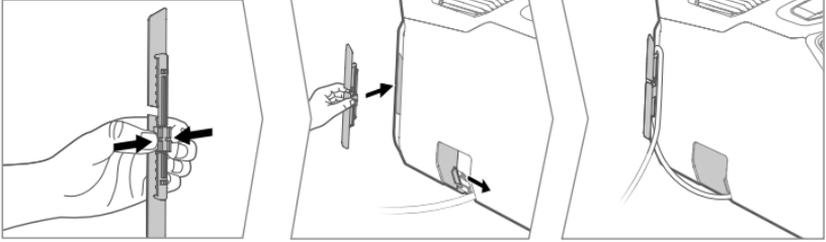
Outdoor Applications

When the interior space is small or when noise cancellation is required, Wave 2 can be placed outdoors and deliver cooling/heating through the exhaust duct.



How to Power-on

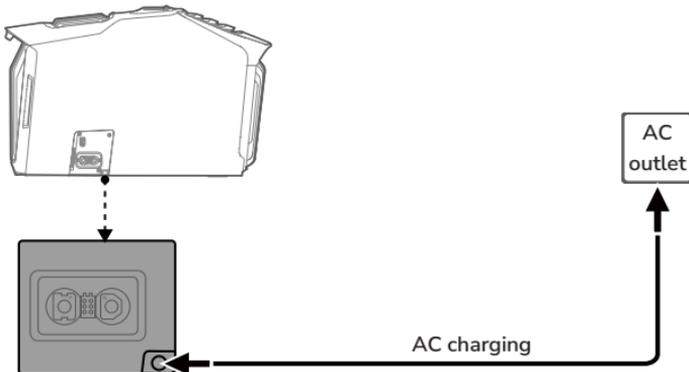
This product supports multiple charging methods. Open the charging port cover before using it, then power on. Please close the cover to prevent dust during charging, and wind the AC charging cable around the winder.



For shutdown, please press and hold the power button before removing the charging cable. Do not directly turn off the power supply for forced shutdown to avoid damaging the battery cell.

AC Outlet

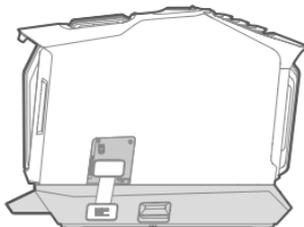
Wave 2 supports the AC voltage from 100-120 V to 220-240 V. Please use the original standard AC charging cable of the product to directly connect to the wall outlet (it is not recommended to connect to the power strip). The working current of the outlet shall exceed 10 A continuously.



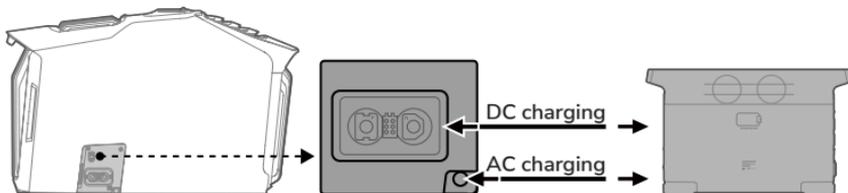
Battery pack

The EcoFlow Wave 2 add-on battery or the portable power station from DELTA family can be used to supply power to Wave 2. The required products and accessories can be purchased in the official distribution channels of EcoFlow.

1. Wave 2 add-on battery



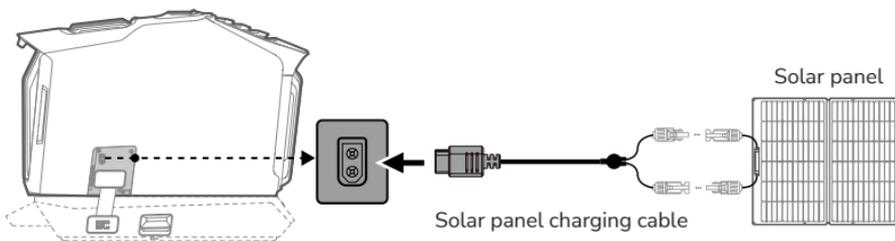
2. EcoFlow portable power station (XT150 DC output port is recommended)

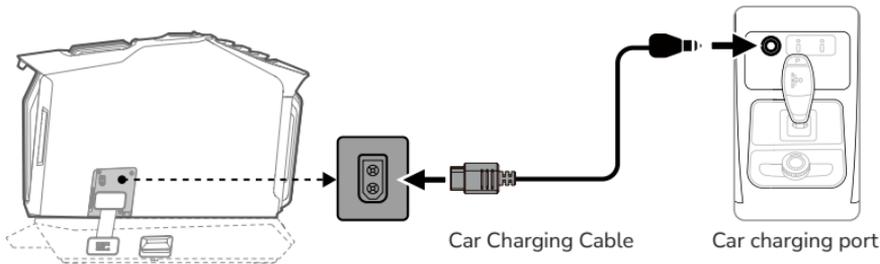


Solar Panel/Car Charging Port

When charging with the solar panel, please confirm that the output voltage and current of the solar panel is within the specified range (11-60 V/13 A), and observe the operation requirements of the solar panel user manual.

When charging with the car charging port, please remember to use the port after the car is started to avoid failure to start due to insufficient car battery. Wave 2 supports 12 V/24 V car charging and a maximum charging current of 8 A. Please make sure that the car charging port and charging cable are securely connected to the cigarette lighter.





Only the fan function is supported due to the low power and the voltage instability of car or solar charging. If the cooling/heating function is required, please use it together with the add-on battery/portable power station.

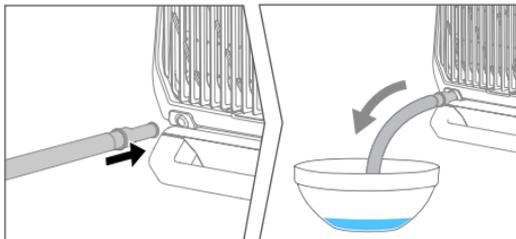
How to Drain

Wave 2 has no-drain function. When the cooling function is used, the condensate of the air conditioner can be evaporated through flash distillation and external drainage is not required. When the heating function is used or the ambient humidity is too high, the condensate cannot be completely drained by flash distillation, and please observe the water level indication on LCD. When the water is full, Wave 2 will be shut down automatically (switch to fan status if it is currently at cooling status). Do not shake or move the air conditioner now to avoid water leakage.

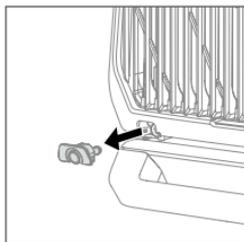
External circulation drainage: When the drain pipe is screwed in the drainage outlet connector, press and hold the speed button for 1 second, and LCD displays [External circulation drainage indication].



Low water level → High water level → Full

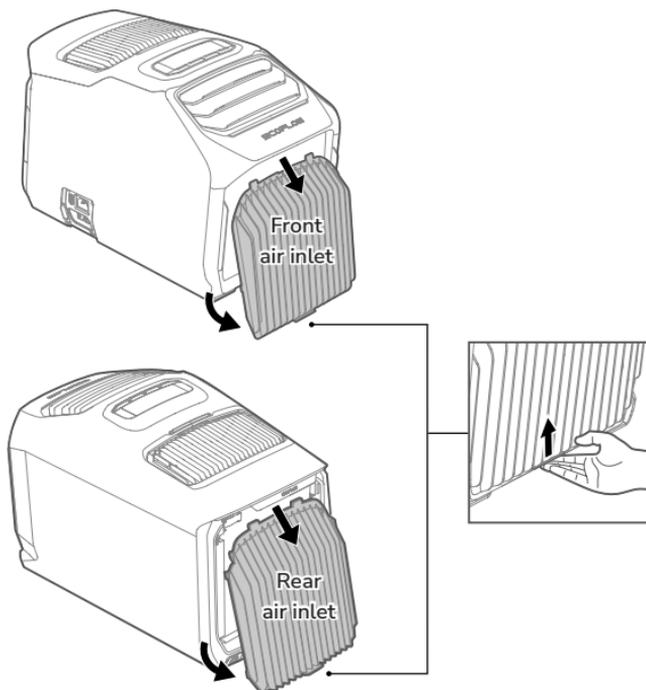


Manual drainage: A small amount of residual water will be left at the bottom of the water tank after automatic drainage. Please turn the drainage outlet connector counterclockwise to remove it, and tilt the unit back slightly until the condensate is completely drained to prevent breeding of bacteria.



How to Clean

The air inlet may be blocked by large amount of dusts and impurities in the air during outdoor application. Please regularly remove the front and rear air inlet filters, clean them with a damp cloth with mild detergent, dry them in the air, and then reassemble them.



Troubleshooting

Error Code	Error Type	Solution
1	Battery pack voltage is too high	1. Turn off all the power supplies; 2. Supply power with battery pack.
2	Battery pack voltage is too low	1. Connect to the household outlet (mains electricity) to charge the battery pack;
4	Bus voltage is too high	1. Please confirm that the range of AC input voltage is 100 V-240 V. If it cannot be confirmed or the voltage is normal, please try the following methods; 2. Turn off the power supply (including the battery pack), and restart the unit; 3. Check whether firmware updates are available.
10	DC input voltage is too low	1. Please confirm that the range of DC (XT150 and XT60 ports) input voltage is 11 V-60 V. If it cannot be confirmed or the voltage is normal, please try the following methods;
15	DC input voltage is too high	2. Turn off the power supply (including the battery pack), and restart the unit; 3. Check whether firmware updates are available.
16	AC input voltage is abnormal	1. Please confirm that the range of AC input voltage is 100 V-240 V. If it cannot be confirmed or the voltage is normal, please try the following methods;
17		2. Turn off the power supply (including the battery pack), and restart the unit; 3. Check whether firmware updates are available.
18	Input voltage frequency is abnormal	1. Please confirm that the input voltage frequency is 50 Hz/60 Hz. If it cannot be confirmed or the frequency is normal, please try the following methods;
19		2. Turn off the power supply (including the battery pack), and restart the unit; 3. Check whether firmware updates are available.
3	TBC	
5-9	TBC	1. Turn off all the power supplies (including the battery pack), and try to restart the unit after standing for 5 minutes;
11-14	TBC	
30-35	TBC	2. Check whether firmware updates are available.
50-55	TBC	



For problems not covered in the preceding table, please consult EcoFlow customer service.

FAQ

Issue Type	Cause Analysis	Troubleshooting
Abnormal fan	<ul style="list-style-type: none">① It is not powered on or it is not started;② There are foreign matters at the air inlet or there are dirt deposits on the fan blades;③ The fan is not running.	<ul style="list-style-type: none">① Check the power supply or wiring, power on correctly to start it;② Clean the air inlet filter, and regularly wipe away the dirt on the fan blades;③ Refer to the solution in [The fan is not running].
Abnormal cooling	<ul style="list-style-type: none">① The cooling function is not turned on;② The ambient temperature is up to the setting;③ The ambient temperature is too high/too low;④ The air inlet/outlet is obstructed;⑤ The compressor is not running;⑥ Refrigerant leakage/ obstructed pipeline.	<ul style="list-style-type: none">① Check whether the mode and temperature are set correctly;② Please refer to the range of operation temperature when using it. It is normal if the cooling performance decreases when it is running at high ambient temperature since the load is high;③ Remove the obstruction to ensure that the distance between the air inlet and the wall is > 0.5 m;④ Refer to the solution in [The compressor is not running];⑤ If the compressor functions normally, there may be refrigerant leakage or obstructed pipeline. Please contact the professional staff for maintenance.
Abnormal heating	<ul style="list-style-type: none">① The heating function is not turned on;② The ambient temperature is up to the setting;③ The ambient temperature is too high/too low;④ The air inlet/outlet is obstructed;⑤ The compressor is not running;⑥ Refrigerant leakage/ obstructed pipeline.	<ul style="list-style-type: none">① Check whether the mode and temperature are set correctly;② Please refer to the range of operation temperature when using it. It is normal if the heating performance decreases when the ambient temperature is low;③ Remove the obstruction to ensure that the distance between the air inlet and the wall is > 0.5 m;④ Refer to the solution in [The compressor is not running];⑤ If the compressor functions normally, there may be refrigerant leakage or obstructed pipeline. Please contact the professional staff for maintenance.



For problems not covered in the preceding table, please consult EcoFlow customer service.

The fan is not running	There are fan-related errors;	Check whether there are indications of error codes, clear them and retry;
The compressor is not running	There are compressor-related errors;	Check whether there are indications of error codes, clear them and retry;
Water overflows from the bottom case	① Tilt angle is too large; ② The flow passage inside the conditioner is blocked; ③ Ambient humidity is too high.	① The horizontal tilt angle of product shall be within 15°; ② Check whether there are foreign matters in the water tank blocking the water flow; ③ Please connect the drain pipe for manual drainage.

Care and Maintenance

1. Please close the socket cover after the unit is stored to prevent dust.
2. After the unit is stored after shutdown, it is required to manually drain the damp inside the unit to prevent breeding of bacteria in the damp during long-term storage and avoid overflow of water when it is moved next time.
3. It is recommended to store this product within the range of ambient temperature from 20°C to 30°C, and keep this product away from water sources, heat sources, and metal objects.

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