

Contents

About this manual
Disclaimer
Product overview
Appearance
Display screen
Get started
Power on/off
Power your appliances
Charge your power station
Advanced Features
Expandable Capacity
Maximize power output
Maintain uninterrupted power
Manage and control
Use EcoFlow app
Specifications
Store and maintain

About this manual

- This manual introduces EcoFlow TITAN 5000 and provides guidance on operation, management, and maintenance about this product. The contents of this manual are subject to change without prior notice. Visit the EcoFlow Support website for the latest version.
- Throughout this manual, EcoFlow TITAN 5000 is also referred to as "the product," "the power station," or "the main unit" (specifically when used with Extra Batteries).
- You can view the latest version of this manual online for updates and an improved reading experience.

Disclaimer

Cleaning
Maintenance
Regulatory compliance
Accessory List

before using the product. Improper use may cause serious injury, product damage, or property loss. Always refer to the most up-to-date documentation available at https://www.ecoflow.com/support/download.

This documentation takes precedence over all other versions. By using this product, you acknowledge and agree to all terms and conditions stated in the documentation. EcoFlow is not liable for losses caused by improper use or failure to adhere to the provided instructions. Subject to applicable laws and regulations, EcoFlow reserves the right to the final interpretation of this document and all documents related to the product.

Product overview

Appearance



2	Display Screen	Displays operating status.
3	AC Output Button	Enables or disables the AC output sockets.
4	USB-C/USB-A Output Ports	Supplies power for smaller electronic devices.
5	AC Output Socket	Supplies power for AC load equipment.



1	Air Vents	Dissipates internal heat.
2	AC Power In/Out Port[1]	Connects the device to an EcoFlow Smart Home Panel 10 for charging and discharging.
3	Solar Input Port	Connects the device to solar panel(s) for charging.
4	Extra Battery Port	Expands battery capacity by connecting to an EcoFlow TITAN Battery.

5	AC Input Port	Connects the device to an AC power source for charging.
6	Sliding Port Cover	Slide the cover up to access the AC Input socket, or down for the AC Power In/Out Port; only one port can be used at a time.

[1] AC Power In/Out Port: When this port is connected to the EcoFlow Smart Home Panel 10, the AC output sockets are disabled, and pressing the AC Output button will not activate them.

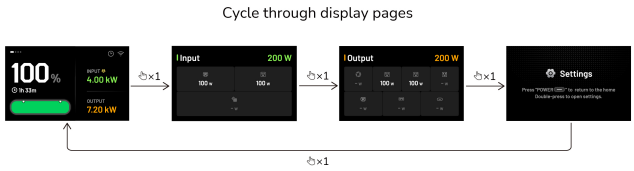
Display screen

This product features a multi-page display screen for real-time monitoring and configuration. Follow the on-screen prompts to navigate and confirm selections.

- Single-press the power button: Cycle through pages
- Double-press the power button: Confirm selection

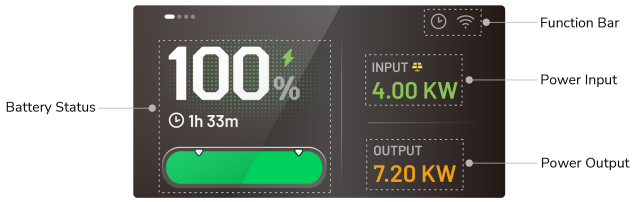
Network setup and device binding are optional during the initial startup. You may choose to complete these steps now or skip them to proceed to the main screen. If skipped, you can always configure the network and bind your device later.

app.

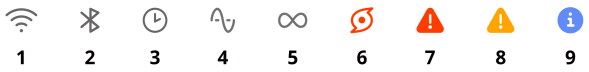


Main Page

Displays an overview of battery level, system status, and total input/output power.



Function bar



Connectivity Status

1 Wi-Fi connection

2 Bluetooth

Operating Mode

3 Scheduled task

4 AI mode

5 Self-powered

Safety & Alerts

6 Storm guard

7 Error

8 Warning	9 Notice

Battery Status



1	Battery level	4	Charging
2	Remaining charging time	5	Fast Charging
3	Remaining discharging time	6.	Battery Bar[1]

Battery bar status[1]

When Extra Batteries are connected, the total count will be displayed here.

The triangle icons indicate the discharging limit, backup reserve and charging limit respectively. The Discharge Limit icon is hidden when the Battery SOC is above the Backup Reserve level. Similarly, the Charge Limit icon is hidden when set to 100%. Charging stops automatically after the charging limit is reached.

The triangle icons change from white to red under the following conditions:

1. Battery SoC ≤ Backup reserve, then the Backup reserve triangle turns Red;

Limit and Backup Reserve triangles turn Red.

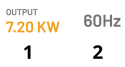
The energy bar changes from green to red when the Battery SOC ≤ 10%.

If the battery level drops to the backup reserve, the discharging limit is equal to the backup reserve and the remaining power cannot be used before adjusting the backup reserve in the EcoFlow app.

Input & Output status

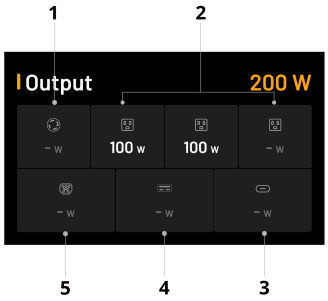


1	Solar Input	4	Total Power Input
2	Grid Input		
3	Grid and Solar Input Ratio		



1	Total Power Output
2	Rated Frequency

for all active ports.

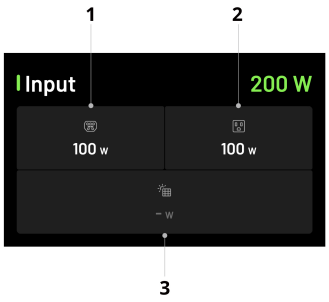


1	AC Output (NEMA L14-30R)	4	USB-A Output
2	AC Output (NEMA 5-20R*3)	5	Power In/Out Port Output
3	USB-C Output		

> When the AC output is disabled via the AC Output button, the status for the corresponding outlets will display as 'OFF' on this page.

Input

Shows detailed real-time wattage for each specific input port.



2 AC Input

Settings

Allows for system configurations, including language selection, IoT reset, and other selections.

- For Firmware upgrade and error code, the red icon indicates high-priority warning, while the orange icon indicates lower-priority issues.
- For detailed error information and troubleshooting, please refer to in-app instructions.

Get started

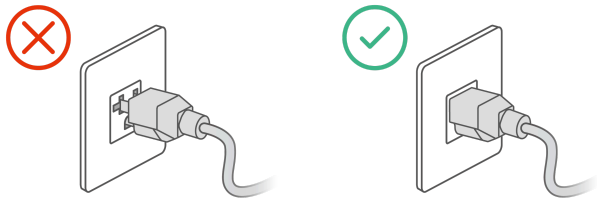
Power on/off

To power on the device, press and hold the power button for 2 seconds until the indicator turns on.
To power off the device, press and hold the power button for 2 seconds until the indicator turns off.



- The device will be automatically powered on when it is connected to a power source.
- When the device is powered on, press the power button once to flip the screen page.
- When the device is powered off, long-press the button to reset the Bluetooth and Wi-Fi connections.

Power your appliances



When powering your appliances, ensure both ends of the cable are securely connected.

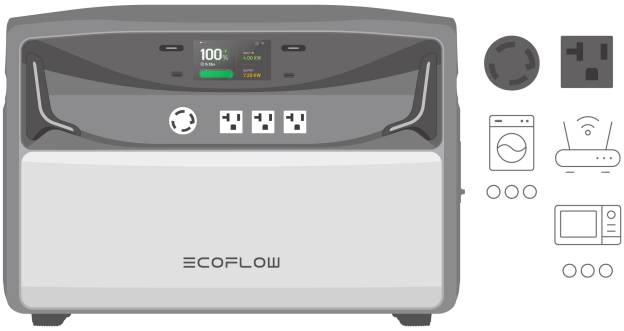
Via USB-C and USB-A ports

When the device is powered on, you can charge portable / low-power electronic



Via AC output socket

When the device is powered on, press the AC output button to enable the AC output sockets. Then, connect an AC-powered device to the corresponding socket to charge it.

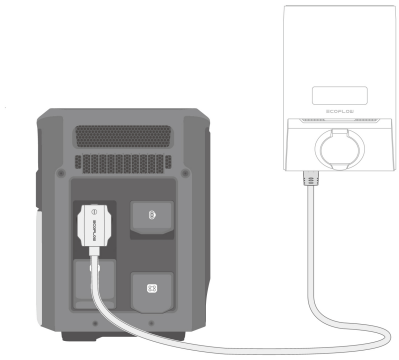


- The AC output sockets will be automatically disabled if they remain idle for a certain duration. To ensure continuous power supply, set the AC timeout interval to **Never** in the EcoFlow app. Additionally, regularly check

- For appliances requiring high-quality power output, disable bypass mode in the EcoFlow app. Otherwise, unstable grid power may degrade the performance of your appliances.

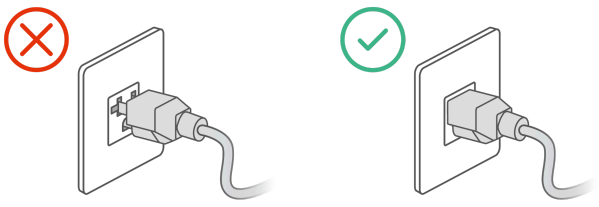
Via Power In/Out Port Output

When the device is powered on, you can charge an electric vehicle (EV) by connecting via the EcoFlow PowerPulse 9.6kW.

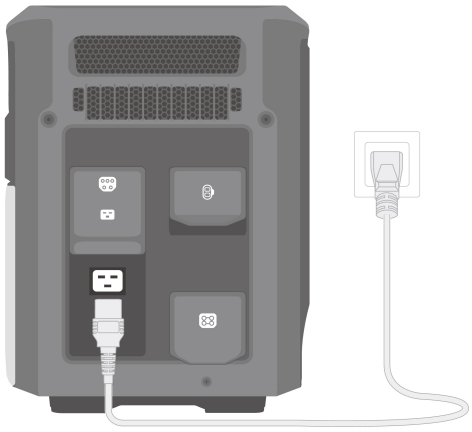


Charge your power station

When charging your power station, ensure both ends of the cable are securely connected.



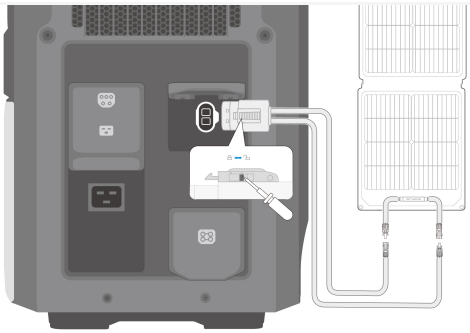
You can charge the power station by connecting it to a wall outlet via the AC charging cable included in your package.



Via solar panel

You can charge the power station by connecting it to a solar panel via an EcoFlow Solar to HP500 Charging Cable.

1. Roof-Mounted PV: After insertion, secure the lock on the HP500 connector using a small screwdriver. To disconnect, slide the lock back to the "Unlock" position before pulling out the cable.
2. Portable Solar Panels: Supports plug-and-play operation; no additional locking is required.



If you use multiple solar panels to charge the device simultaneously, choose one of the following connection methods:

1. Series connection: This connection method is recommended for sunny, unobstructed environments. Connecting panels in series increases the overall voltage, which can improve charging efficiency.

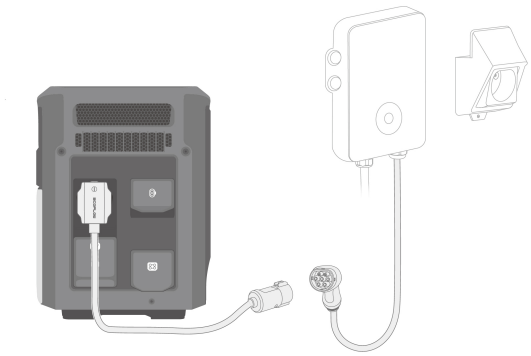
   Note:
   Ensure that the total voltage does not exceed the power station's maximum input limit. In a series setup, all panels should remain fully exposed to sunlight, as the system is sensitive to shading. If one panel is partially shaded, the performance of the entire array may decrease significantly.

2. Parallel connection: This connection method is recommended for environments where sunlight may be partially obstructed, such as under trees, in cloudy conditions, or when panels are installed at different angles. Connecting panels in parallel maintains a stable voltage while increasing the total current, resulting in more reliable and consistent

Ensure that the total current does not exceed the power station's maximum input rating. In a parallel setup, you can use T-Branch/Y-Branch cables or standard parallel cables depending on your specific needs and preferences. For more information or instruction on series or parallel connections, refer to the solar panel's user manual.

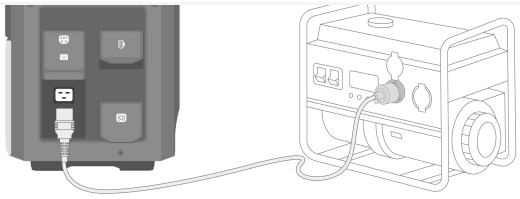
Via EV charger

Using the EcoFlow EV X-Stream Adapter, you can charge the device through the AC Power In/Out port by connecting to a compatible EV charger equipped with an **SAE J1772 connector** (e.g., the EcoFlow PowerPulse 9.6kW or a third-party EV charger).



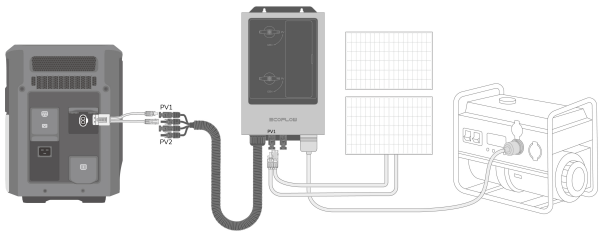
Via generator

You can charge the device by connecting it to a compatible generator via power input/output port.



Via EcoFlow FlowMaster Generator Rectifier

By utilizing the EcoFlow FlowMaster Generator Rectifier, you can charge the power station using solar panel and a generator concurrently.



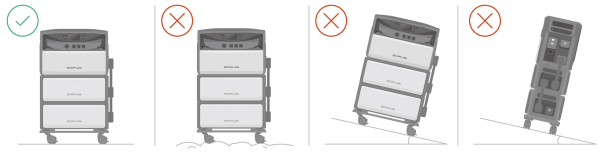
1. In this setup, ensure that the cable labels match the corresponding ports on the Rectifier body (connect PV1 to PV1, and PV2 to PV2) before making any connections.
2. For the installation and operating instructions of the EcoFlow FlowMaster Generator Rectifier, please refer to Installation Guide included in the package or visit its Installation Guide online.

Advanced Features

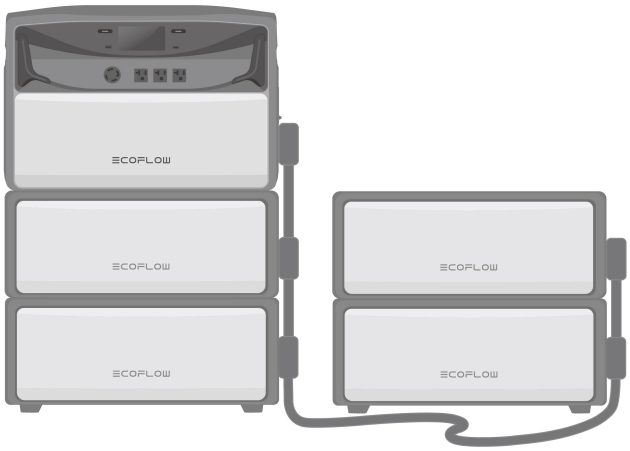
Expandable Capacity

Considering the device is very heavy, it is recommended that two people carry it to avoid potential personal injury.

The power station needs to be used on a hard, flat surface instead of soft surfaces (for example, dirt or sand). Do not place the product on a tilted surface as it may cause the product to topple over, potentially resulting in personal injury or product damage.



The rated capacity of one main unit is **5kWh**. To expand capacity for powering your appliances or backing up your home, one main unit can connect up to **5 batteries**, which makes the total capacity add up to about **30kWh**.

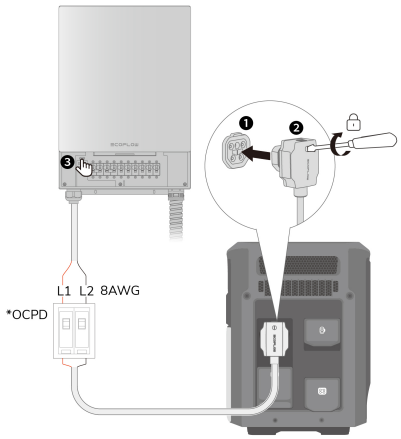


TITAN Series Battery, Portable Stand, and the Installation Accessories, please refer to the Installation Guide included in the package or TITAN Battery Series Online User Manual.

Maximize power output

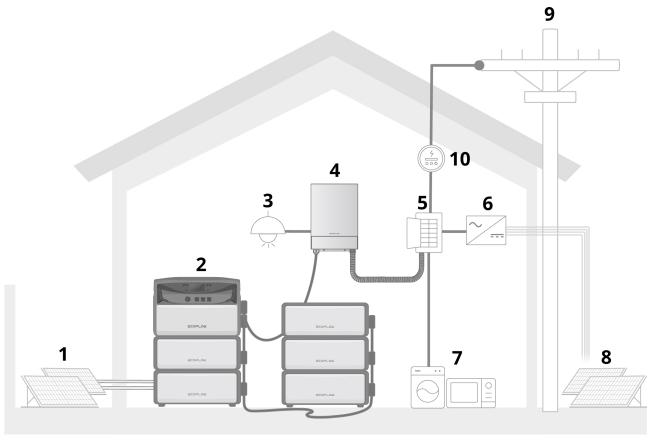
You can connect your device to the EcoFlow Smart Home Panel 10 (240V) (hereinafter referred to as SHP10) via the AC Power In/Out port to provide home backup and daily-use power.

Once essential loads are connected to the SHP10, this configuration enables peak shaving and valley filling to lower energy costs, while ensuring seamless backup power during unexpected blackouts.



If required by local electrical codes, install an overcurrent protection device (OCPD) between this product and the battery

with local regulations. A 50A 2P circuit breaker is recommended.



1	Solar Panel	6	Third-party Inverter
2	TITAN Series	7	Non-backup Loads
3	Backup Load	8	Solar Panel
4	SHP10	9	Utility Grid
5	Main Panel	10	Utility Meter

Note that this setup requires an additional circuit breaker installed in your main panel for the Charge L1 & L2 circuits.
For detailed wiring and installation instructions, please refer to the SHP10 Installation Guide in https://www.ecoflow.com/support/download/.
Circuit breaker specification:
Double-pole non-GFCI/AFCI

Maintain uninterrupted power

When connected to the grid, the power station functions as a reliable UPS (uninterruptible power supply), a device or system provides continuous backup power during grid power outage. In the event of a sudden power outage, it automatically switches to battery power within 10 ms, ensuring your connected devices stay up and running without interruption.

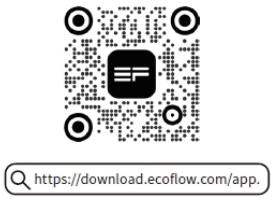
Manage and control

Use EcoFlow app

Download the EcoFlow app

The EcoFlow app is a customized one-stop solution for you to monitor the status of all your devices in real time, manage them from one place, control from afar, and customize all settings, such as battery life, input/output, and more.
To download the EcoFlow app, choose one of the following methods:

- Scan the QR code.
- Search EcoFlow in iOS and Android APP Store.





Add the device and connect to the network

You can add the device into the EcoFlow app to manage and control it anywhere at any time.
To add the device and set up the Internet, do the following:

1. Open the EcoFlow app and log into your account. If you don't have an account, you need to create a new account.
2. Tap the button that instructs you to add a device.
3. Select the device as from the device list and follow the on-screen instructions to add the device and set up the Wi-Fi network.

> You can skip Wi-Fi connection when you add the device for the first time and set up the network later.

General settings

After binding your device to EcoFlow account, you can manage the settings such as:

- Customize power input or output.
- Set charge and discharge limit.
- Change operating mode.
- Upgrade firmware.

For specific functions and settings of your device, refer to your EcoFlow app. You can set your device based on the use scenario and preference.

> This app might make periodic updates of the features. Explore this app on the actual user interface.

Specifications

General	
Model	EF-TT-5-G1
Dimensions	Approx. 623 × 336 × 428 mm (24.5 × 13.2 × 16.9 in.)
Net weight	Approx. 54kg (119.0 lb)
Ingress protection rating	IP20
Input	
PV input port (×1)	40-450V⎓16A, 4000W MAX

AC Input	120VAC 15A 1800W 60Hz
AC Power IN/OUT Port	• Charge only: 7200W • Bypass mode: 7200W

Output

USB Output	USB-C1:5V/3A 9V/3A 12V/3A 15V/3A 20V/3A 60W USB-A: 5V/3A 9V/2A 12V/1.5A 18W
AC Output	• Discharge only: 120/240V 60Hz 7200W Total - NEMA 5-20 (×3): 20A - NEMA L14-30 (×1): 30A • Bypass mode: 120/240V 60Hz 7200W Total - NEMA 5-20 (×3): 20A - NEMA L14-30 (×1): 30A
AC Power IN/OUT Port	• Charge only: 120/240V 60Hz 30A@240VAC 7200W MAX • Discharge only: 120/240V 60Hz 30A@120/240VAC 7200W MAX

Battery Info

Rated Capacity	5kWh
Cell Chemistry	LFP

Protection Type	Overvoltage protection, Overload protection, Overtemperature protection, Short circuit protection, Low temperature protection, Low voltage protection, Overcurrent protection
Extra Battery	
Battery Input	172.8~230.4V 41.7A
Battery Output	172.8~230.4V 44.3A
Operating Environment	
Operating Altitude	≤3000m (9842 ft)
Storage Temperature	− 10°C to 45°C (14°F to 113°F)
Operating Temperature	Charge: 0°C to 45°C (32°F to 113°F) Discharge: − 10°C to 45°C (14°F to 113°F)
Operating Humidity	≤ 90%
Communication	CAN, Wi-Fi, Bluetooth 5.0

Store and maintain

Storage

temperature is between -10°C and 45°C. The recommended range for optimal battery health is 0°C to 30°C.
- Place the device on a flat and non-slip surface to reduce the risk of falling.
- Ensure the device is kept away from water sources, heat sources, strong magnetic fields, environments with corrosive gases, and any flammable or explosive substances.
- For long-term storage, charge and discharge the product every 3 months (fully charge it, then discharge to 60% for storage) to maintain battery health.
- Do not leave this product unused or without charging for more than six months, as this will void the warranty.

Cleaning

- Before cleaning, power off the device and unplug all cables.
- Use a soft and dry cloth to wipe the surface.
- Do not use water, solvents, or chemical cleaners that might damage internal components or ports.
- Do not spray any liquid directly onto the device.
- Do not disassemble the device to clean internal components. Improper operation might void the warranty and cause safety hazards.

Maintenance

needed.

- Do not deeply discharge the device frequently, otherwise the battery lifespan will be shortened.
- Ensure all cables and connectors are intact and not frayed or damaged.
- Store and operate the device within the recommended temperature and humidity range.
- If the device shows any signs of abnormal symptoms (e.g., unusual heat, smell, noise), stop using it immediately and contact customer support.
- Do not open or disassemble the device under any circumstances. If your device needs to be serviced, contact our customer support.
- Ensure that air vent is unobstructed during use to avoid overheating.

Important Safety Instructions

Operation

1. Do not disassemble, repair, or modify this product by yourself. For any maintenance or service, please contact EcoFlow Customer Service.
2. Always disconnect the product from all external power sources before attempting any service or maintenance.
3. To reduce risk of damage to the electric plug and cord, pull the plug

4. Do not pierce the product with sharp objects.
5. Do not put fingers or hands into the product.
6. Do not insert wires or other metal objects into the product to prevent short circuits.
7. Do not block or restrict the heat dissipation system of the product during operation.
8. Do not use any unofficial or unrecommended components or accessories. For any replacements, please contact EcoFlow for further assistance.
9. Do not operate this product with a damaged cord or plug, or a damaged output cable.
10. CAUTION: When connecting solar panels to the product, ensure that neither the positive nor the negative PV terminals are grounded. A ground fault may result in permanent hardware damage or critical system failure.
11. Do not stack any heavy objects on the product.
12. WARNING:

    - Do not use the product near a heat source, such as a fire source or a heating furnace.
    - Avoid degradation or damage to the product, or risks to personal safety due to excessively high or low temperatures.

13. Place the product on a stable and flat surface. Avoid damage to the device

14. Use a soft, dry cloth to wipe and clean the product.
15. AC Timeout Tip: The AC output port of the power station will automatically turn off if the port is idle for a certain period. When the power station is connected to intermittent loads like refrigerators or air conditioners, this feature may be triggered. To ensure continuous power supply for critical uses, such as storing medicines, vaccines, the perishables, or other valuable items in a refrigerator, set the power station's AC timeout interval to never in the EcoFlow app. Additionally, regularly check the power station's battery level.
16. Medical Equipment Limit: The product is not intended for powering life-sustaining medical equipment, including but not limited to medical-grade ventilators (hospital-grade CPAP: Continuous Positive Airway Pressure) or artificial lungs (ECMO: Extracorporeal Membrane Oxygenation). If you plan to use it for other medical equipment, consult with the equipment's manufacturer first to ensure there are no restrictions on using an external power source with their equipment.
17. Medical Equipment Interference: When in use, power supply products will generate electromagnetic fields, which are likely to affect the normal operation of medical implants or personal medical equipment such as pacemakers, cochlear implants,

being used, please contact the manufacturer to inquire about any restrictions on the use of such equipment. These measures are fundamental to ensure a safe distance between the medical implants (for example, pacemakers, cochlear implants, hearing aids, defibrillators, etc.) and this product while in use.

18. The plug of the charging cable included in the package is a disconnecting device, and the wall outlet to which it is connected must be easily accessible and well grounded.
19. Electrical appliances connected to this product must comply with local certification requirements, and Type-C ports are only permitted for appliances with fireproof enclosures.
20. Risk of Electric Shock: Never use the product to supply power tools to cut or access live parts or live wirings, or materials that may contain live parts or live wirings inside, such as building walls, etc.
21. Use in Repair Facility: During use in a repair facility like a vehicle repair center, workshop, or any other place where repairs are conducted, do not place the product on the floor, or at a height less than 457 mm (18 inches) above the floor.
22. GROUNDING INSTRUCTIONS: This product must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. For your safety,

grounding plug. The plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances. WARNING – Improper connection of the equipment grounding conductor can result in a risk of electric shock. If you encounter the following situations, consult a qualified electrician instead of modifying the plug provided with the product:

- You are unsure whether the product is properly grounded;
- You find that the plug provided with the product does not fit the outlet.

23. The nameplate is on the bottom of the product.

Storage

1. Follow the environment temperature requirements specified in the product specification to use or store the product. Avoid degradation or damage to the product, or risks to personal safety due to excessively high or low temperatures.
2. Do not use the product near a heat source, such as a fire source or a heating furnace.
3. Do not get the product wet or immerse it in any liquid. When using the product in wet environments like rainy areas or places near water, protect it with a waterproof bag.
4. Do not use the product in an environment with strong static

excessive temperature. Exposure to fire or temperature above 130°C may cause explosion.

6. Keep the product out of reach of children and pets. If the product is to be used near children, they should be closely supervised.
7. Keep the product away from fumes, smoke, steam,and dust.
8. Store the product in a tidy, dry, and well-ventilated place.
9. Do not carry the product onto a plane.
10. Do not subject the product to severe impacts, vibrations, or drops.

In case of emergency

1. In case of emergency, take precautions against electric shock before touching the product, such as wearing insulating gloves.
2. If the product gets wet, stop using it immediately and refrain from further operation or powering it on. Place the product in a secure, waterproof, and well-ventilated area, then contact EcoFlow Customer Service for assistance.
3. If the product falls into water, place it in a secure, waterproof, and well-ventilated area, and keep it away from contact until it is completely dry. The dried product should not be used again and must be properly disposed of according to local laws and regulations.
4. If the product catches fire, we recommend that you use the fire extinguishers in the following order:

dioxide fire extinguisher.
5. If the product is overturned and severely damaged, wear insulating gloves to turn it off, and then place the product in an open area far from flammable materials and people, and dispose of it according to local laws and regulations .

Recycling and Disposal

1. The product with severe damage, malfunction, or depleted battery life should be properly disposed of or recycled.
2. The product contains batteries. Please dispose of the product following local laws and regulations for battery disposal and recycling. Do not dispose of it with household waste to avoid environmental pollution and safety hazards.
3. If possible, ensure the battery is completely discharged (to 0% capacity) before disposing of the product. If not, refrain from placing the battery directly into a battery recycling box. Instead, contact a professional battery recycling company for proper handling.

Regulatory compliance

FCC COMPLIANCE STATEMENT

Any changes or modifications not

the user's authority to operate the equipment.

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

(1) This device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver

• Connect the equipment into an outlet on a circuit different from that to which

radio/TV technician for help.

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 a minimum distance of 20 cm (7.9 in) between the radiator & your body.

INDUSTRY CANADA COMPLIANCE

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation,Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. L'appareil ne doit pas produire de brouillage;
2. L'appareil doit accepter tout brouillage radioélectrique subi,même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.
CAN ICES(B) / NMB(B)

Radiation Exposure Statement / Déclaration d'exposition aux radiations

This equipment meets the exemption from the routine evaluation limits in section 2.5 of RSS-102. It should be installed and operated with a minimum distance of 20 cm between the radiator and any part of your body.
Cet équipement est conforme à l'exemption des limites d'évaluation habituelle de la section 2.5 de la norme RSS-102. Il doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et toute partie de votre corps.

Accessory List

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