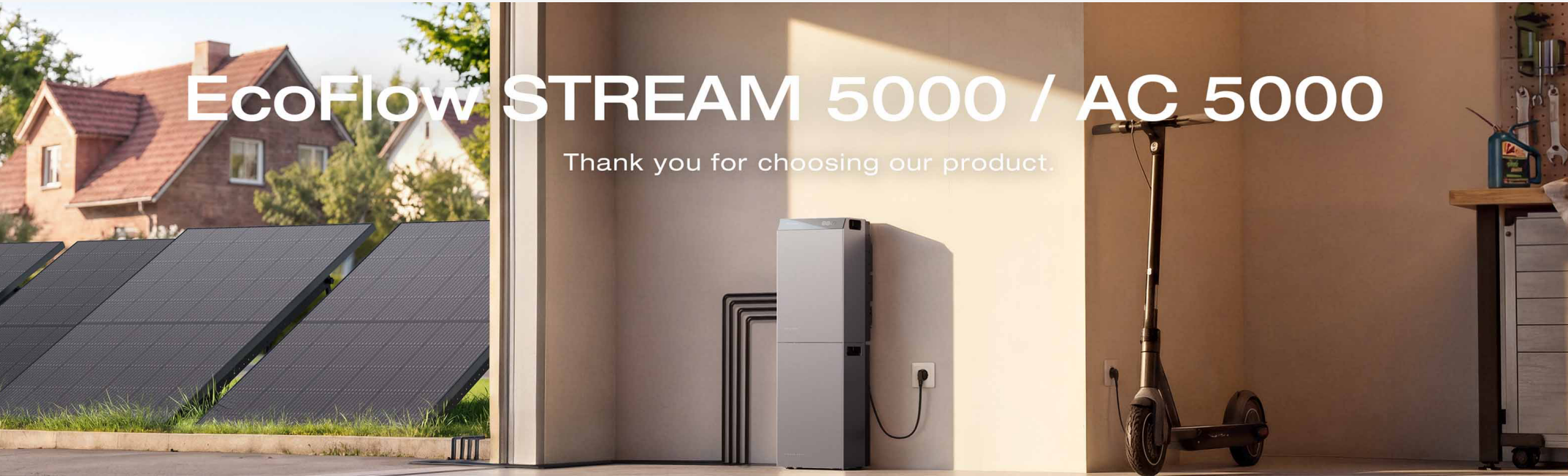




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About this manual

- This manual contains an introduction to EcoFlow STREAM 5000 and EcoFlow STREAM AC 5000, and details on the operation, management and maintenance.
- Product information in this manual is subject to change without prior notice. Visit [Documentation Center](#) for the latest information.
- The availability of certain accessories and features described in this manual may vary depending on your country or region.
- All images displayed in this manual are based on EcoFlow STREAM 5000 and for demonstrative purposes only. Refer to the actual product received.

Disclaimer

Please read the product documentation thoroughly and ensure you understand it 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.

System expansion

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General Info

AC output (Off-grid)

AC input / output (on-grid)

PV Input (only for STREAM 5000)

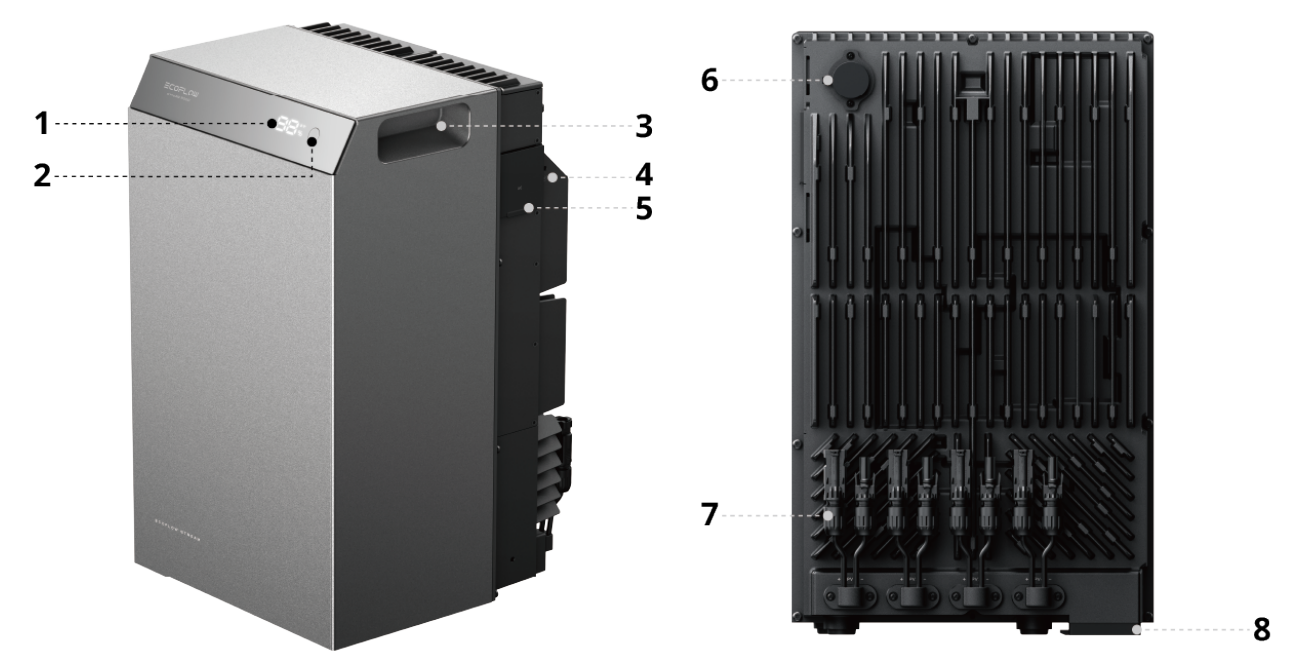
Stacking Port

Protection

Compliance

Product introduction

Appearance



1	Display	Displays the battery level, Wi-Fi and Bluetooth connection status, and other system operating information.
2	Power button	- Press and hold the button for more than 2 seconds to power the device on or off. - When the device is powered on, press the button briefly to turn the screen on or off. - When the device is powered on, press the button five times in quick succession to reset the device.
3	Handle	Assists with lifting and transporting the device.
4	Protective conductor terminal	Provides a connection point for protective earth (PE).
5	AC socket	Connects to household loads or a microinverter.
6	Grid port	Connects the device to the utility grid.
7	PV terminals (only for EcoFlow STREAM 5000)	Connects to PV modules to provide solar energy input.
8	Battery stacking port	Connects expansion batteries to increase the battery capacity.

Display

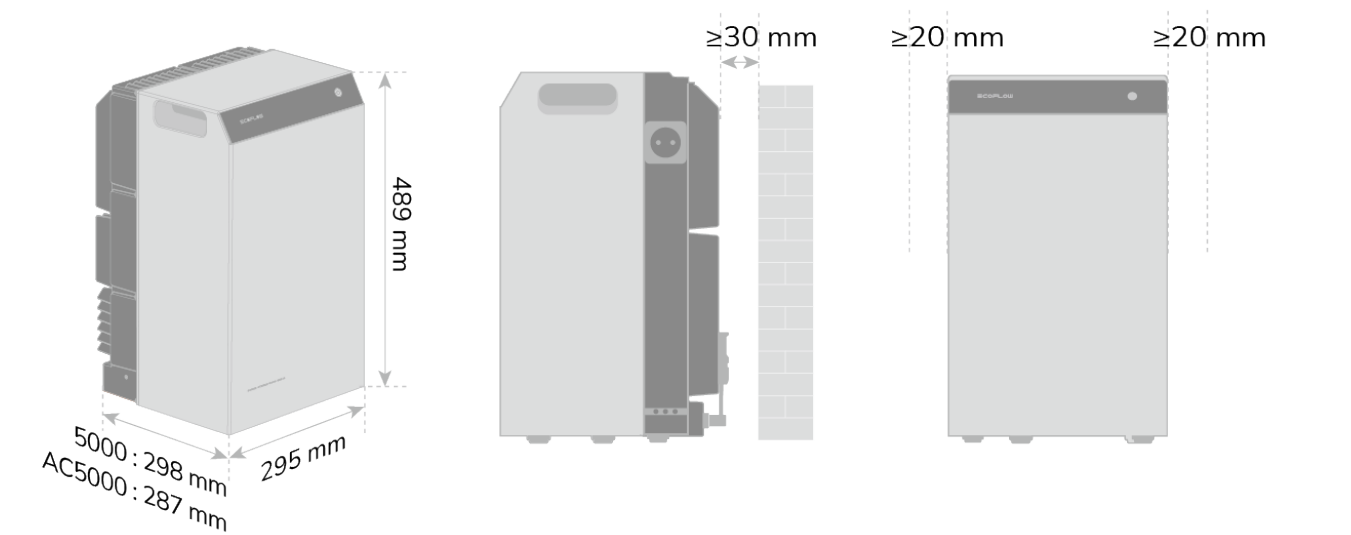


		- Battery level: Displays battery level value. At this point, the % indicator remains on.
1	Numeric codes	- Firmware update: Displays "UP". - Network Reset: Flashes five times. - Fault: Alternately displays "Er" and the battery level.
2	Bluetooth connection	- Off: Bluetooth not connected. - Flashing: Bluetooth pairing. - On: Bluetooth connected.
3	Wi-Fi connection	- Off: Wi-Fi not connected. - Flashing: Wi-Fi connected but no Internet access. - On: Wi-Fi connected with Internet access.

Installation

Site selection

- Ensure sufficient clearance around the product for installation and heat dissipation. The minimum clearances shown below are required for proper installation.



- Leave enough space for the product installation.
- Keep the product out of reach of children and pets.
- Do not expose this product to direct sunlight, rain, or snow.
- Do not expose this product to strong electromagnetic fields to avoid radio interference.
- Do not install this product near flammable, explosive, corrosive, or caustic materials.
- Do not install this product during extreme weather events such as lightning,

heavy rain, or strong wind.

- Keep the device away from metal objects and high-power equipment to avoid shielding or interfering with Wi-Fi communication.
- Install the product in a location with a strong Wi-Fi signal, preferably full signal strength, to achieve stable communication. Check the signal strength in the EcoFlow app. For better signal reception, orient the upper-left corner of the front panel toward the router and leave at least 15 cm of clearance on the left side.



Tools preparation



Hammer drill
(Ø8mm)



Screwdriver
(PH0, PH1,
PH2)



Safety gloves



Hammer

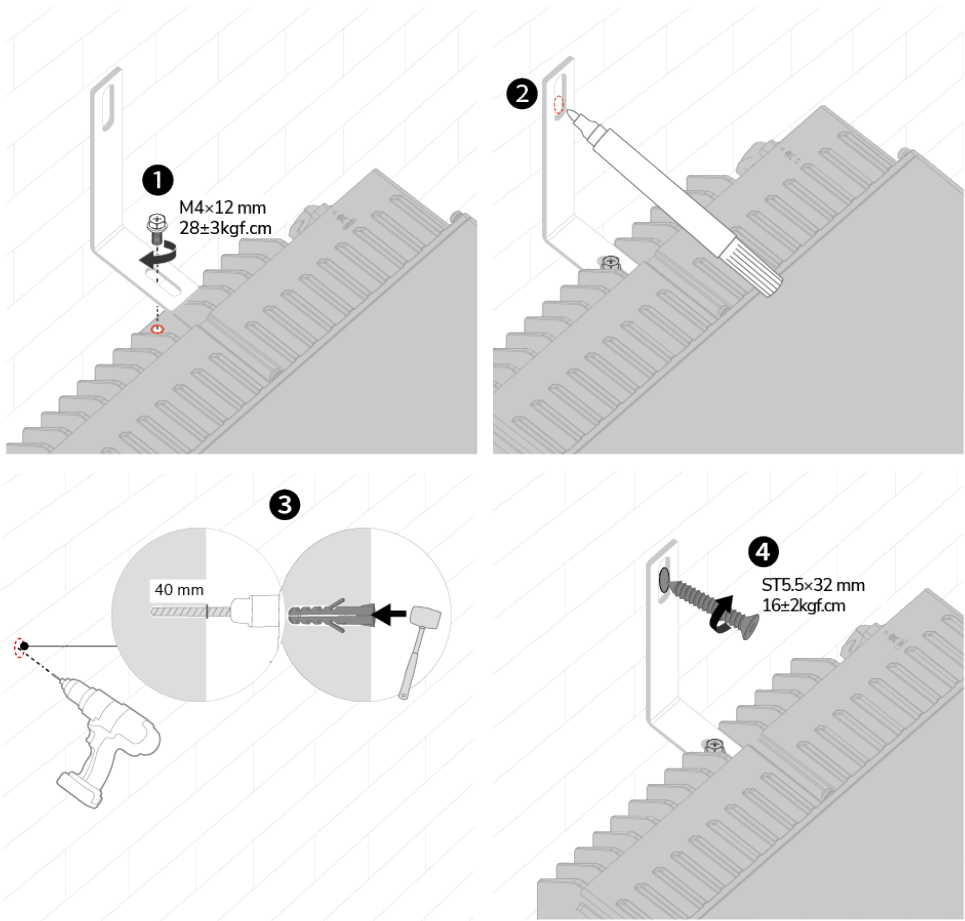


Pen

Installation steps



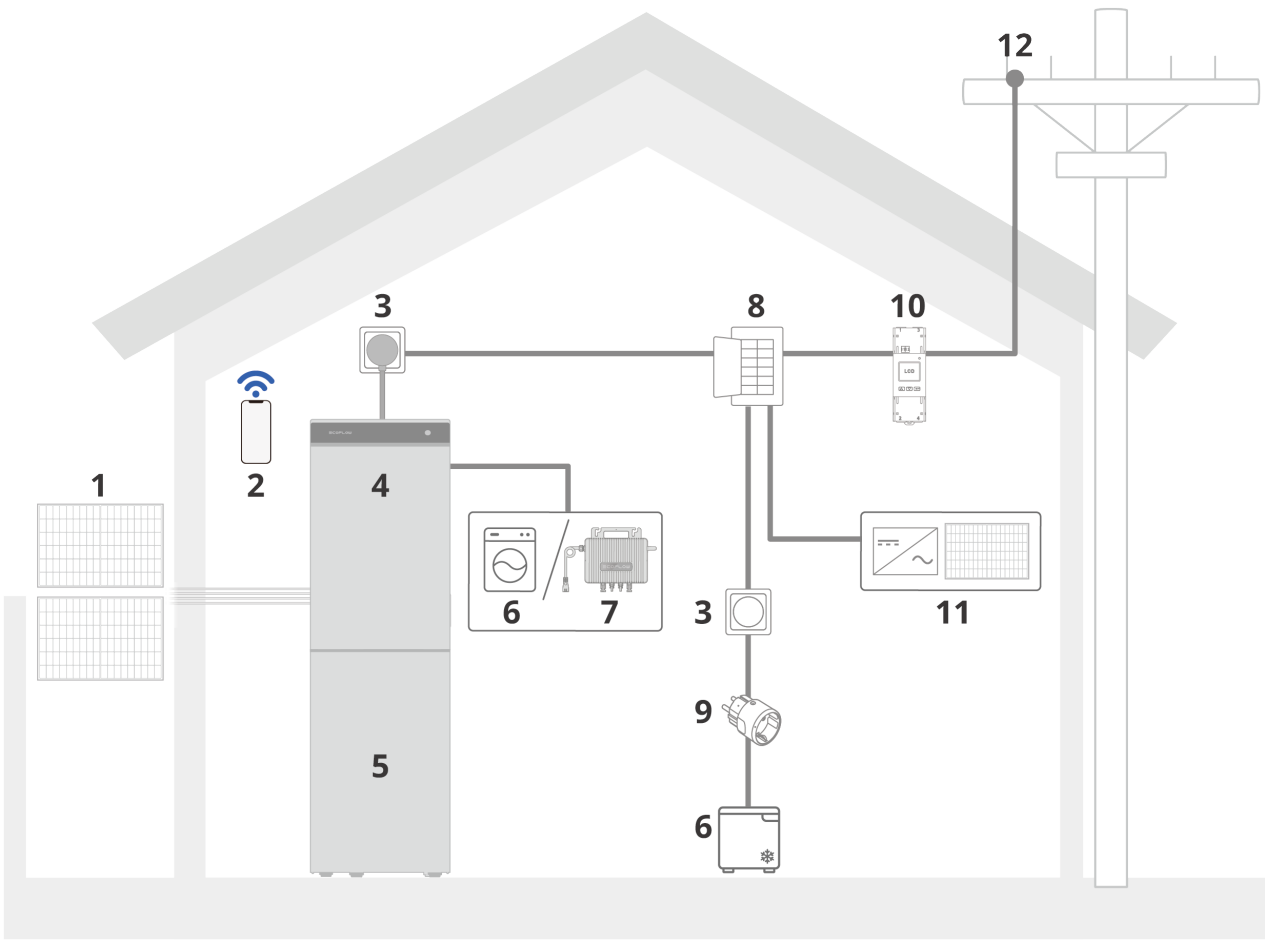
- To prevent water damage, ensure the protective cover of the battery stacking port is in place when no expansion battery is installed.
- Move the device away before drilling holes to prevent dust or debris from falling onto the device.



Electrical connections

System diagram

The diagram shows the primary system for the whole-home energy cycle. PV module, expansion battery, smart meter, smart plug and microinverter are sold separately.



- | | | | |
|---|---|---|---------------|
| 1 | PV module (Only supported on the EcoFlow STREAM 5000) | 7 | Microinverter |
| 2 | EcoFlow app | 8 | Main panel |

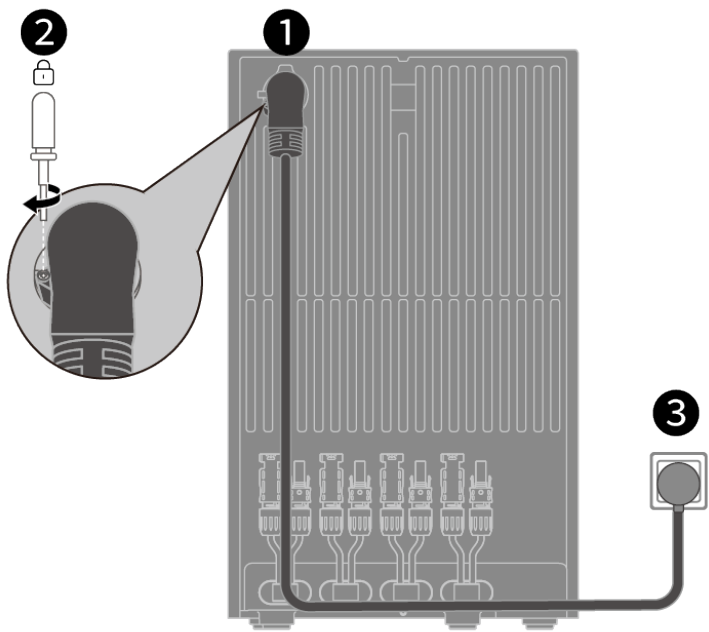
3	Wall socket	9	Smart plug
4	EcoFlow STREAM 5000 / AC5000	10	Smart meter
5	EcoFlow STREAM Expansion Battery 5000 (up to 2)	11	Third-party inverter system
6	Home load	12	Grid

Connect to the grid

- 
- Ensure the device is powered off before installation.
 - Do not connect the grid cable to the AC outlet on the product, as this may cause equipment damage.

Option 1 Via home outlet

- 
- If the product is operated off-grid, it must be grounded using the grounding terminal. Specification requirement for PE conductor:
 - Copper conductor, 2.5mm², provided with mechanical protection.
 - Copper conductor, 4mm², without mechanical protection.
 - For devices connected via a standard home outlet, the grid-feed power is subject to the Plug & Play power limit specified by local regulations. Enabling higher power output requires assessment by a qualified professional and permanent installation on a dedicated circuit to prevent overloading.

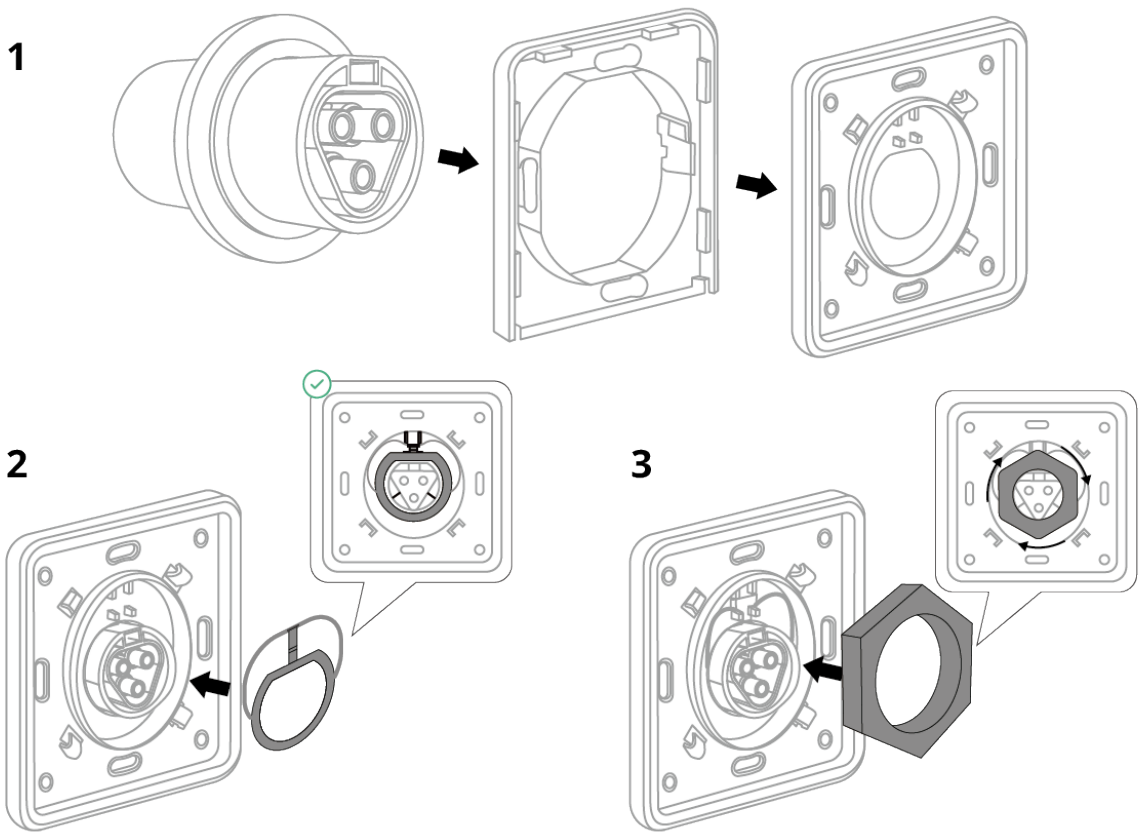


Option 2 Via Wieland socket

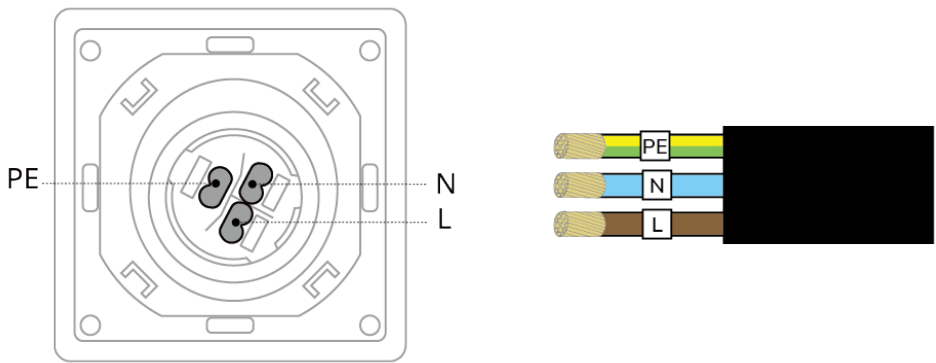
- 
- Wieland Socket Kit is sold separately.

- 
- This step must be carried out by a qualified electrician and comply with local electrical codes, safety standards, and regulations. The following illustration is provided to demonstrate the general connection principle only.
 - Power off the home circuit at the installation site.

Step 1 Wieland socket assembly.



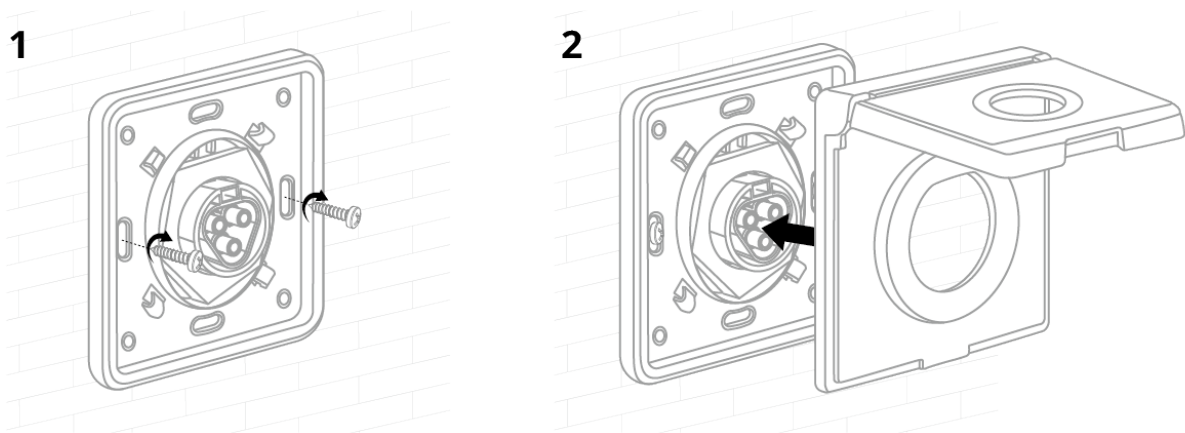
Step 2 Power cable connection



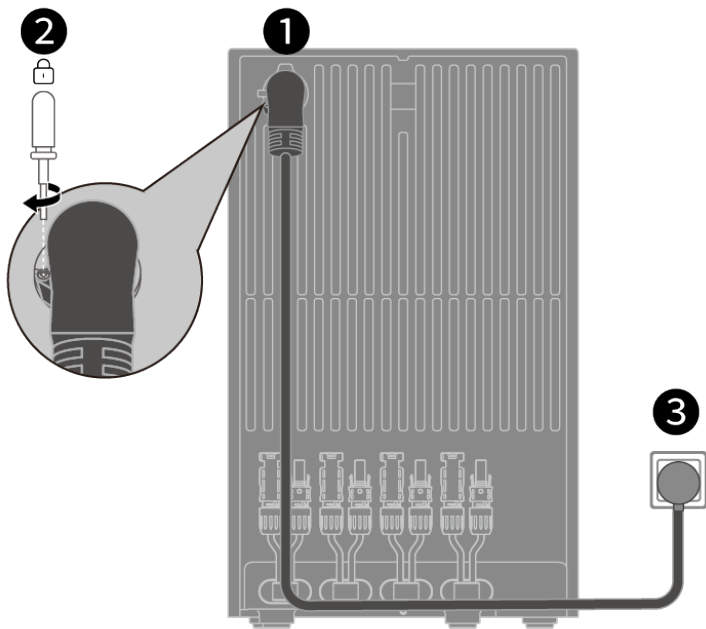
The cable requirements for Wieland socket connection vary depending on the conductor type.

	Material	Cross-Sectional Area	Strip length	Wire Ferrule
Solid cable	Copper	2.5 mm ²	14.5 mm	Not required
Stranded cable	Copper	1.5 mm ²	14.5 mm	Required, model: E1508

Step 3 Panel installation

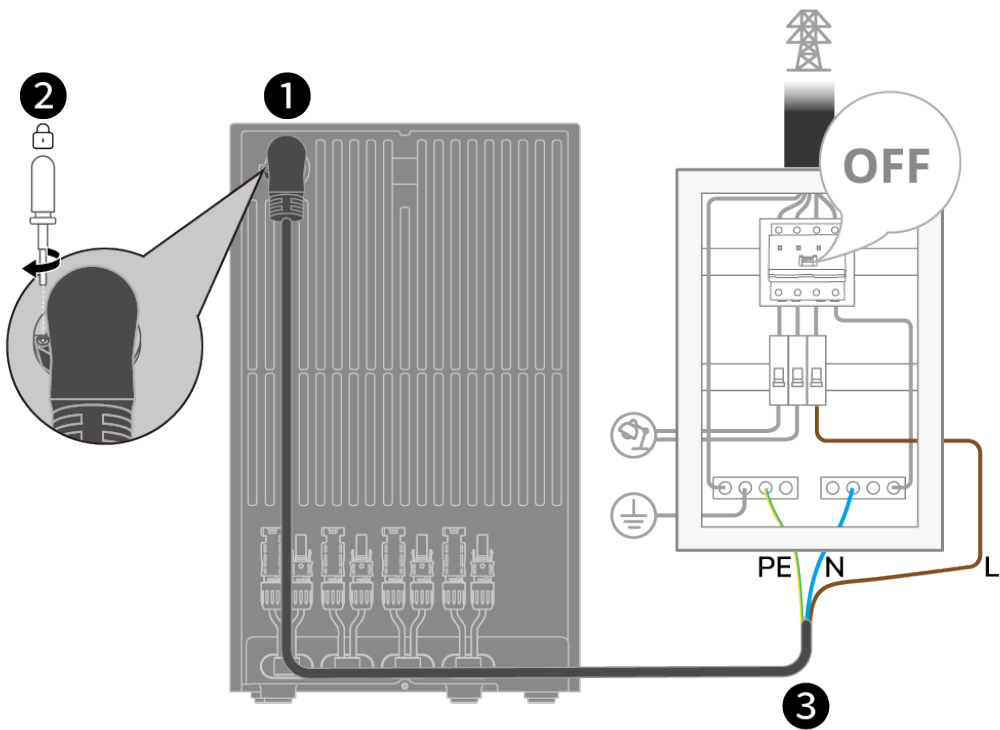


Step 4 Once the Wieland socket is installed by qualified electrician, connect the STREAM 5000 Series product to the Wieland socket.



Option 3 Via distribution board

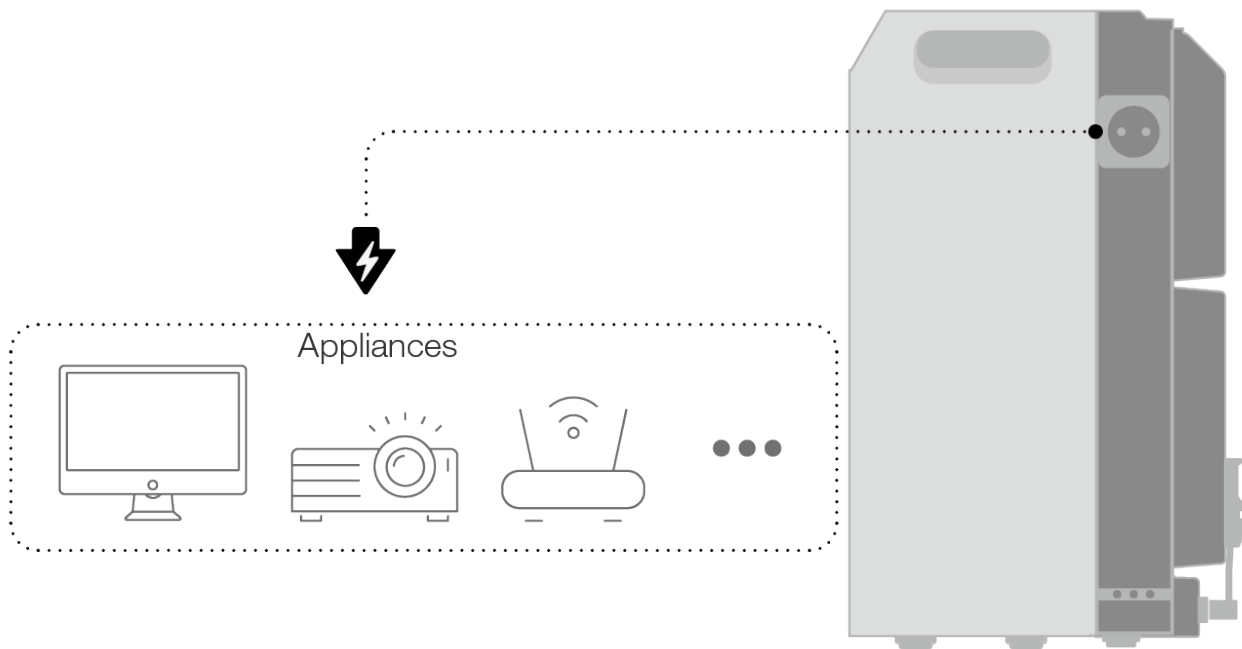
- ⚠ This step must be carried out by a qualified electrician and comply with local electrical codes, safety standards, and regulations. The illustration is for reference only.
- Power off the home circuit at the installation site.



Connect to appliances



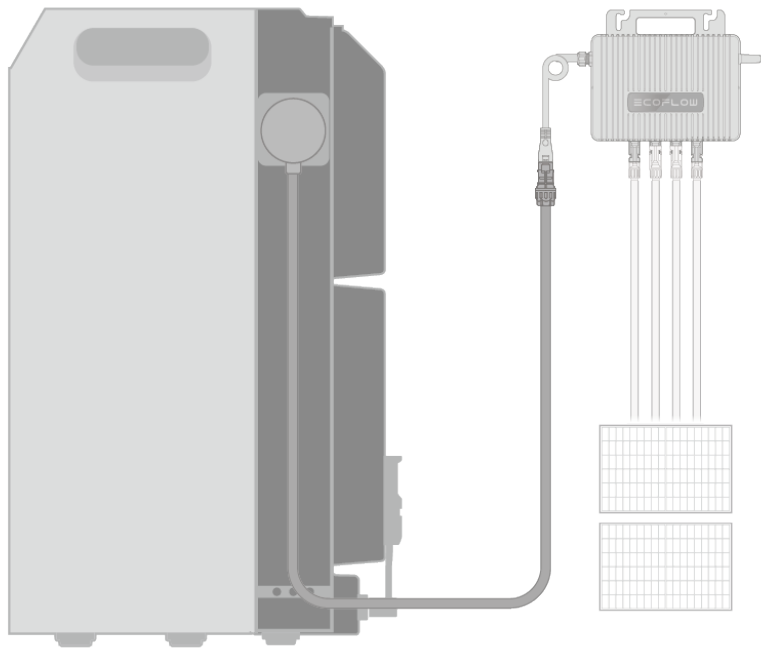
- The AC outlet is disabled by default. To turn the AC outlet on or off, go to the EcoFlow app.
- Ensure the AC outlet cover remains in place when the AC outlet is not being used.
- Keep the AC outlet protected from dust and water during use.



Connect to microinverter



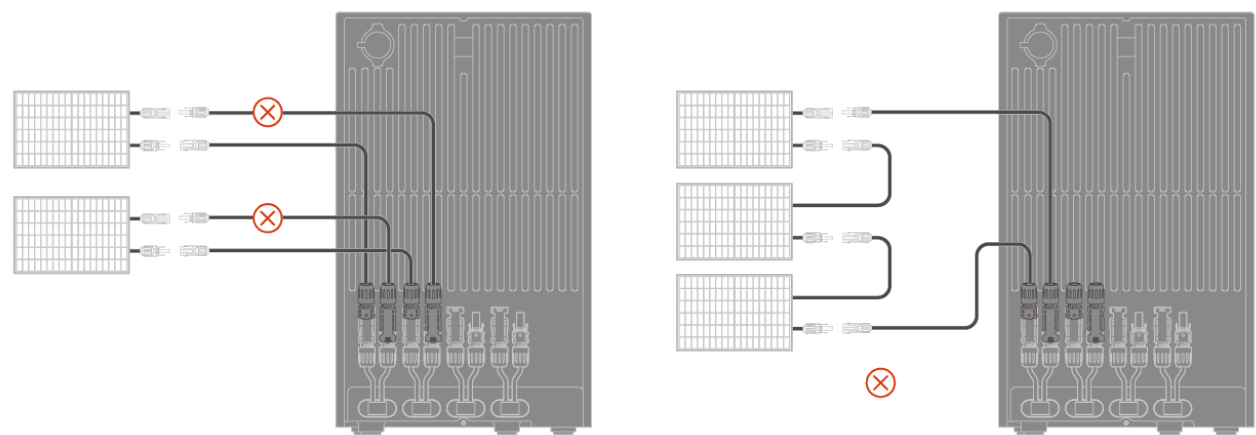
- Connect a microinverter that complies with local regulations to provide additional power input. EcoFlow microinverters are recommended. Third-party microinverters may require additional installation or configuration steps. Consult the manufacturer for details.
- Only one microinverter is recommended for integration with the STREAM system.



Connect to PV modules (for STREAM 5000 only)



- Keep unused terminals covered with their protective caps.
- Do not connect two or more solar panels in series, as this may cause the input voltage to exceed 60 V and affect normal operation.
- Only use mating connectors of the same manufacturer and model: CT75A-1T-39(4/6)-01 / CT75A-1T-38(4/6)-01 from JONHON.
- Do not connect the same set of PV connectors to different sets of PV input ports. For instance, connecting the positive connector of PV Module 1 to the negative PV2 input port is prohibited.

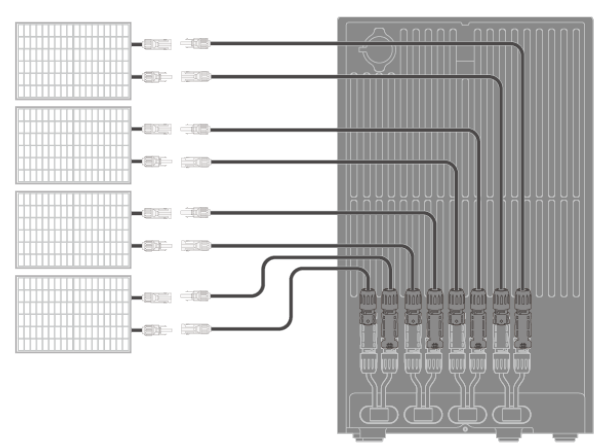


When using third-party solar cables, ensure that each cable meets the following specifications.

Input Current	Conductor Cross-Sectional Area	Conductor Material
≤ 25 A	4 mm ²	Copper
25 A to 32 A	6 mm ²	Copper

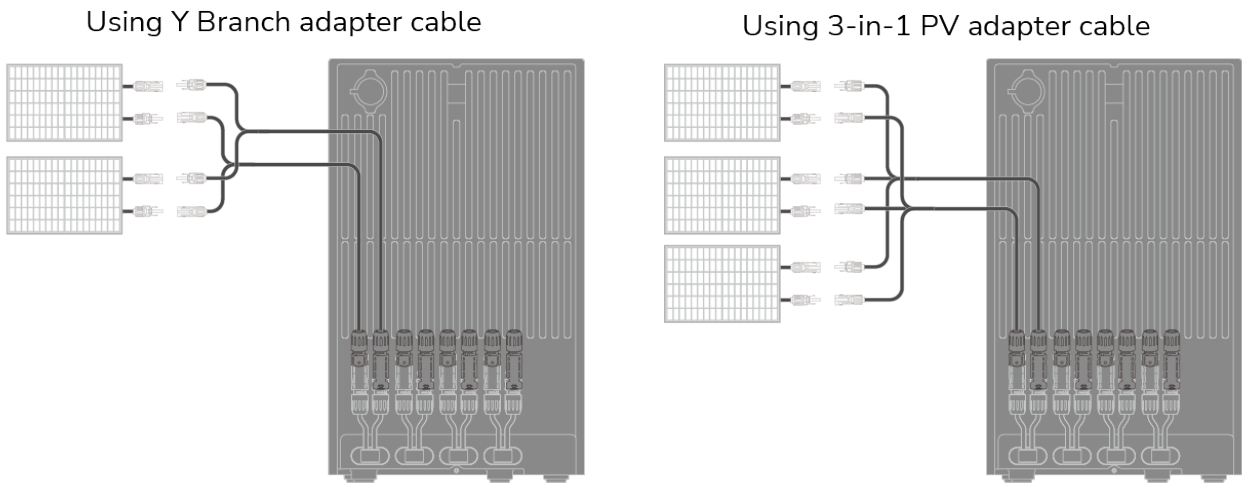
Direct Connection (Up to 4 PV Modules)

Connect each PV module directly to the same set of PV input ports.

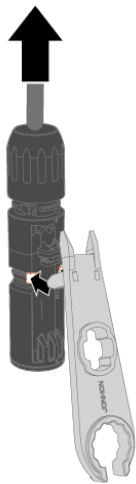


Parallel Connection (Up to 12 PV Modules)

Connect every two or three PV modules to the same set of PV input ports.

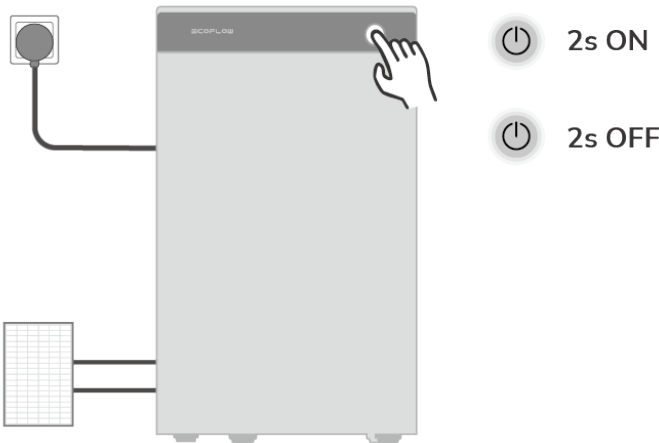


To disconnect the PV connectors, use the supplied MC4 wrench.



System power-on

- Without solar and AC input: Press the power button for 2 seconds to power on/off the device.
- With solar and AC input: The device powers on automatically when connected to the solar panel or wall outlet. To power off the device, disconnect the device from the solar panel and wall outlet, then press the power button for 2 seconds.

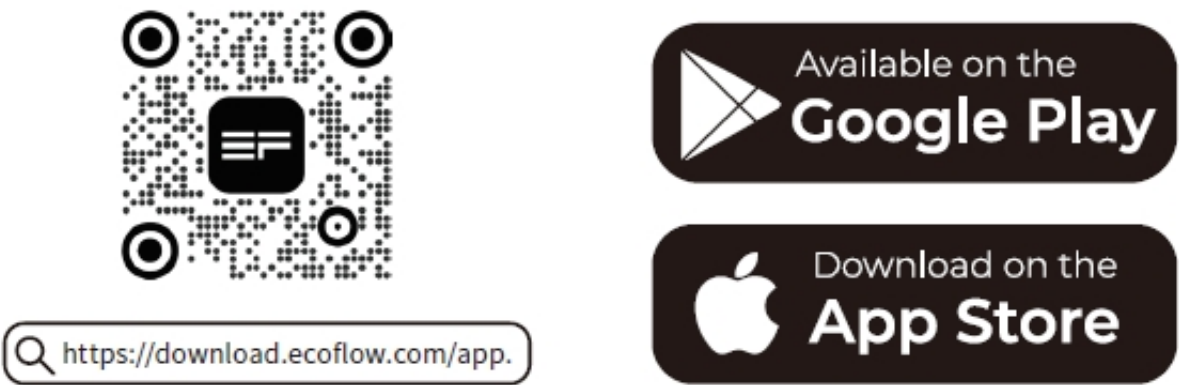


Use EcoFlow App

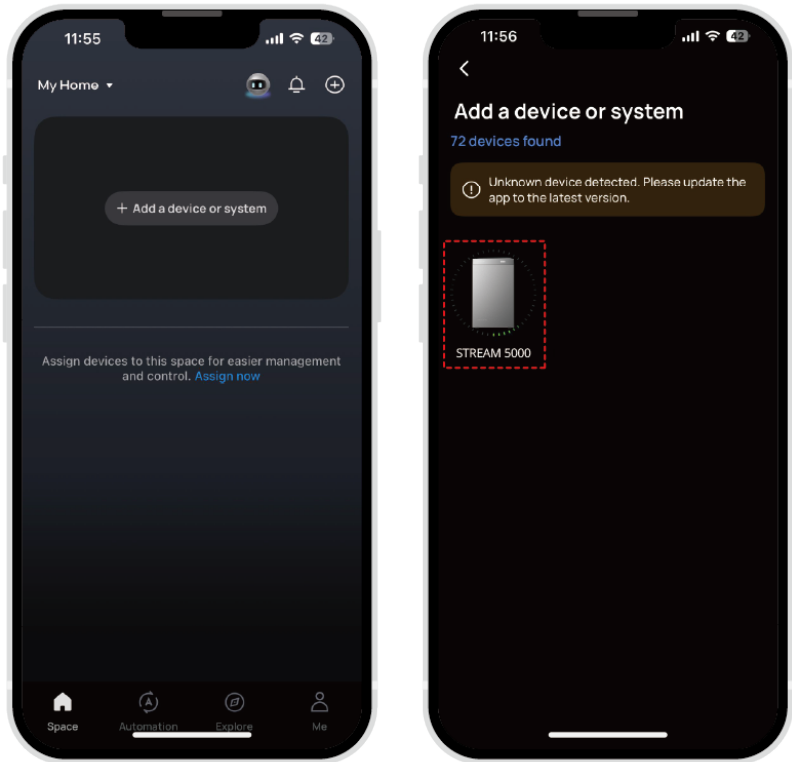
Download EcoFlow app

Scan the QR code below or search for the EcoFlow app in your mobile

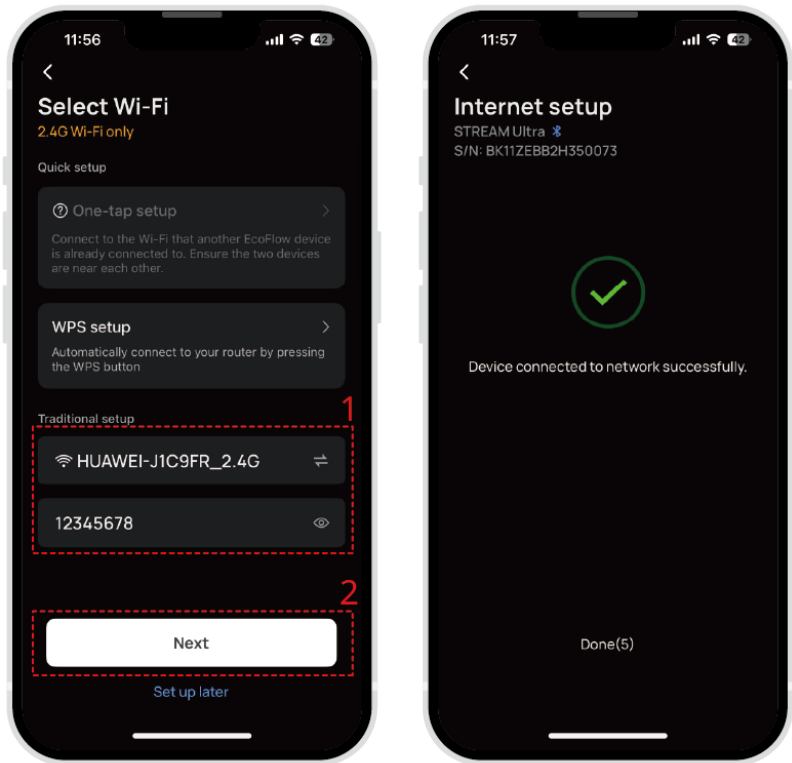
application store to download it. Then, register an account and log in.



Bind the device



Connect to the network



Set up operating mode

To meet different power usage scenarios and requirements, the system

supports three operating modes: Intelligent Mode, Self-Powered, Custom Schedule.

You can switch mode under **System Settings > Energy Management > Operating Mode**. Each mode adjusts how the battery charges and discharges based on your energy usage and utility rate plan.

Custom Schedule

Custom Schedule allows manually setting the charge and discharge strategy by time. This mode is recommended if you want to customize the charge and discharge time and limit.

To add charge tasks:

- Step 1 Tap **+ Charge** button.
- Step 2 Set charge time, charge source, grid power upper limit, charge limit, and repeat frequency.
- Step 3 Select charge mode if multiple devices are connected.
- Step 4 Tap  button to save the settings.

To add discharge tasks:

- Step 1 Tap **+ Discharge** button.
- Step 2 Set discharge time, discharge power, and repeat frequency.
- Step 3 Tap  button to save the settings.

Self-Powered

Self-Powered prioritizes solar energy for household loads, with any excess energy stored in the battery.

To enable this mode, one of the following settings is required:

- Install a smart meter.
- Install a smart plug.

-  The discharge power depends on whether a smart meter is installed.
- Without a smart meter:
 - With configured discharge task: The system outputs power at the configured level.
 - No configured discharge task: The system outputs power at 200 W by default to support essential household loads.
 - With a smart meter:
 - With configured discharge task: The system adjusts its discharge power according to the actual household load, without exceeding the configured power limit.
 - No configured discharge task: The system adjusts its discharge power according to the actual household load, without exceeding the configured grid feed-in power limit.

Intelligent Mode

Intelligent Mode auto-calculates the most cost-effective power schedule based on solar, load, electricity rate and system status. This mode is recommended for fully automated intelligent energy management.

To enable this mode, the following settings are required:

- Connect to a smart meter.
- Set electricity prices.
- Grant location permission.

 When enabled for the first time, the system needs a self-learning period of up to 7 days. During this period, the system operates in Self-Powered Mode.

Firmware update

Keeping the firmware up to date helps maintain optimal performance and ensures access to the latest features.

To update the firmware, open the EcoFlow app and go to Firmware Update via one of the following paths:

- **Space > System Settings > Firmware Update**
- **Me > Firmware Update**

Advanced features

Battery capacity expansion

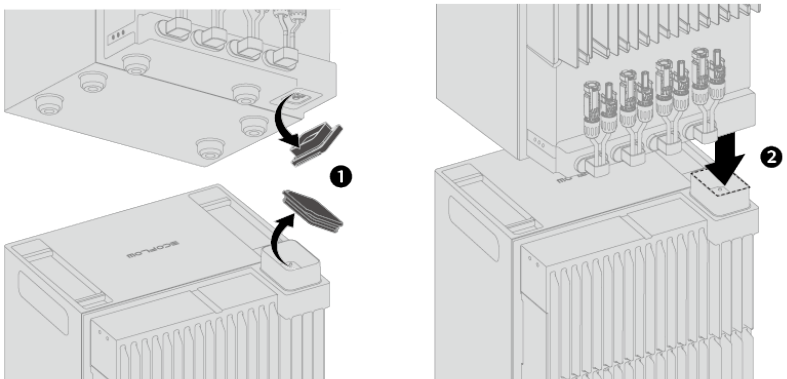
The system capacity can be expanded by connecting EcoFlow STREAM Expansion Battery 5000 to meet different energy storage requirements.

Installation steps

- 
- Ensure that the STREAM 5000 series product is powered off and disconnected from all external power sources and devices.
 - The STREAM EB 5000 is compatible with all STREAM 5000 series products. Up to two expansion batteries can be stacked on a single main unit.
 - If you are adding a new expansion battery to the existing system, first detach the main unit from the wall and remove the interlock brackets between the main unit and the battery.

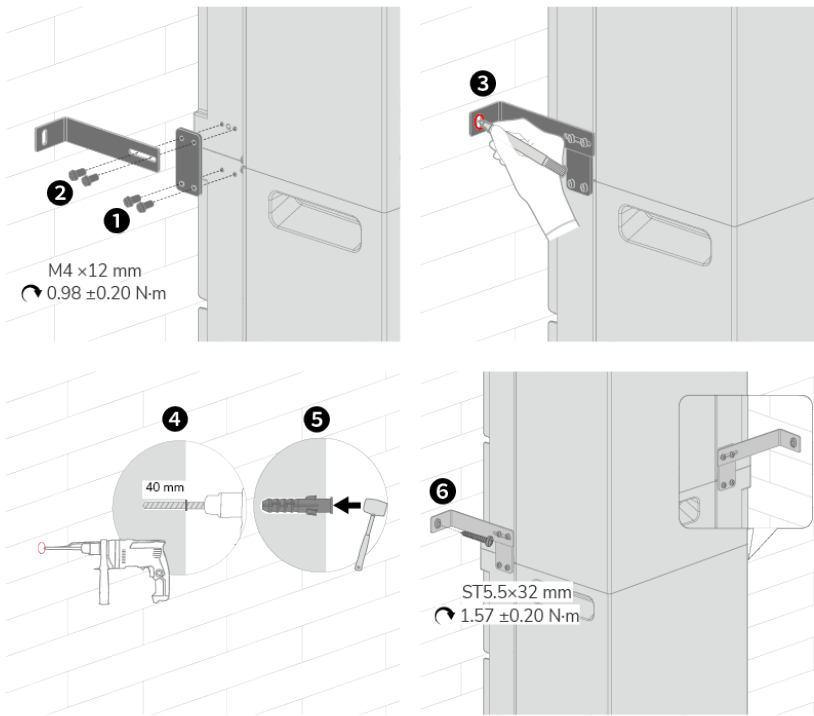
Step 1 Stack the expansion battery under the main unit.

 To prevent water damage, do not remove the protective cover of the bottom expansion battery.

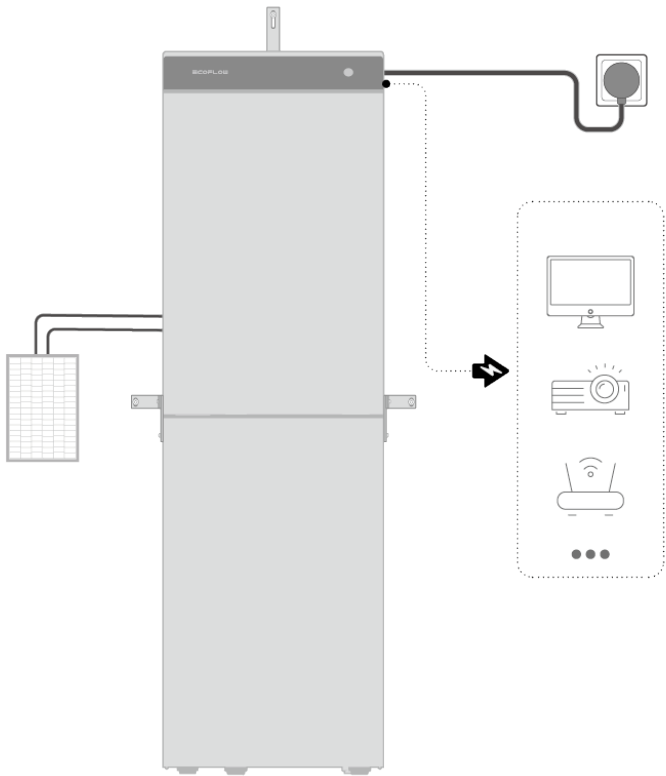


Step 2 Install the brackets on both sides.

💡 Move the device away before drilling holes to prevent dust or debris from falling onto the device.



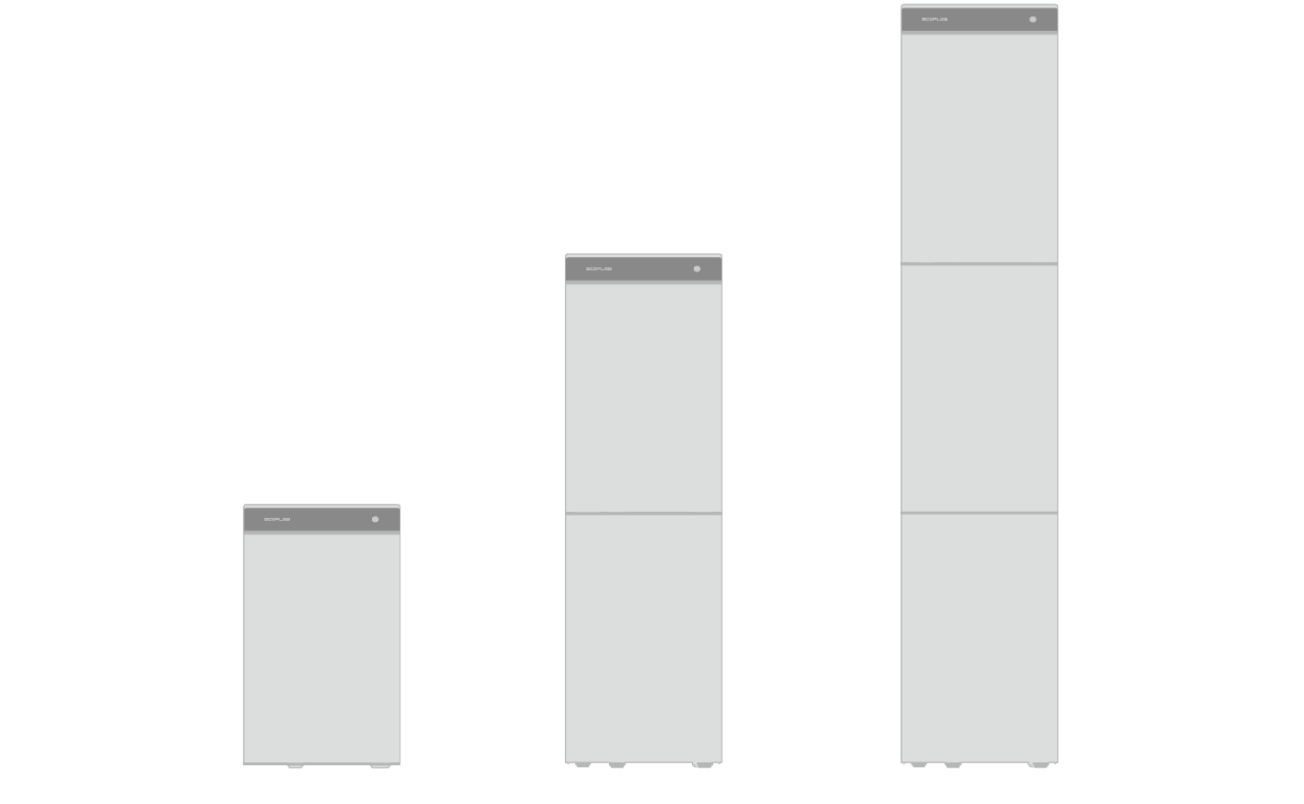
Step 3 Install EcoFlow STREAM 5000 Series product and complete the required electrical connections. Refer to **Installation** and **Electrical connections** chapter.



Capacity expansion options

STREAM 5000/AC 5000	STREAM Expansion Battery 5000	Capacity
---------------------	-------------------------------	----------

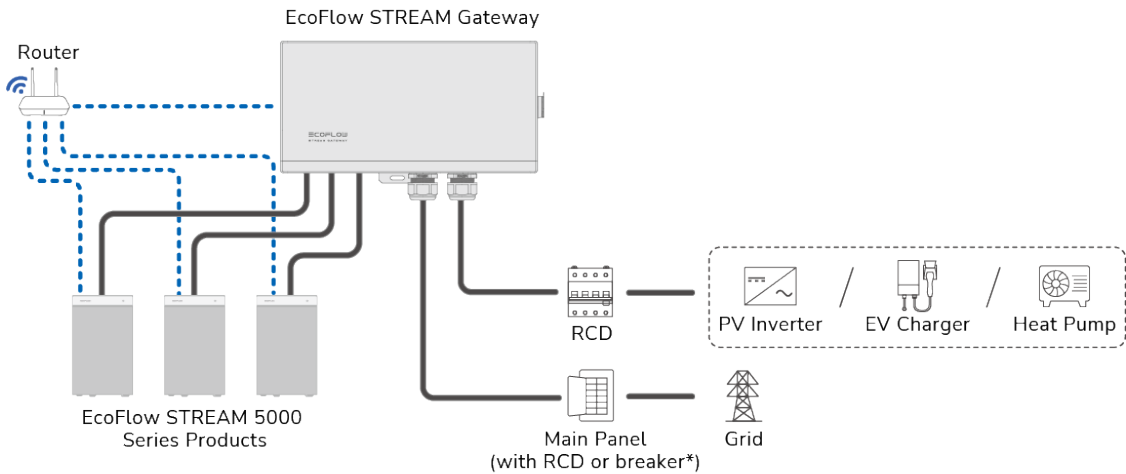
1	0	5.024 kWh
1	1	10.048 kWh
1	2	15.072 kWh



System expansion

The system can be expanded with EcoFlow STREAM Gateway to increase both the system capacity and output capability. Up to three EcoFlow STREAM 5000 Series products can be connected. It also enables grid connection and supports the connection of a third-party PV inverter or an EV charger to further expand the home energy system.

For installation and operation instructions of EcoFlow STREAM Gateway, refer to [EcoFlow STREAM Gateway User Manual](#).



Energy management

The system supports intelligent energy scheduling through a compatible smart meter or smart plug. By monitoring household energy consumption in real time, the system automatically optimizes power distribution to improve solar energy utilization and reduce grid electricity consumption.

Smart plug

A smart plug enables users to control connected appliances via the EcoFlow app, offering greater flexibility in device placement and usage. Once integrated into the system, the EcoFlow STREAM 5000 Series product optimizes power distribution based on the real-time load of smart plug-connected appliances, prioritizing solar and battery power supply. For installation instructions, refer to the specific product documents.

- [EcoFlow × Shelly Smart Plug User Manual](#)
- [EcoFlow Smart Plug User Manual](#)

Smart meter

A smart meter monitors household power imported from and exported to the grid in real time. Based on this data, the STREAM system automatically adjusts its power output to match household energy demand, maximizing solar energy utilization and reducing grid electricity consumption.

For installation instructions, refer to [EcoFlow Smart Meter Dual CT User Manual](#).

Storage and maintenance

Storage

- Store the device in a dry, cool, well-ventilated environment where the temperature is between -30°C and 60°C. An ambient temperature of 25°C is recommended for optimal storage conditions.
- 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

- Periodically check for dust or debris in vents or ports and clean the device if needed.
- Do not deeply discharge the device frequently, otherwise the battery

lifespan will be shortened.

- Check if all cables and connectors are intact and not frayed or damaged every 6 months.
- If the device shows any 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 the air vent is unobstructed during use to avoid overheating.

Safety instructions

Safety symbols



Caution!

Disconnect the device from all voltage sources before servicing.



Caution! Risk of Electric Shock

Do not attempt to disassemble. No user-serviceable parts inside. Refer servicing to qualified personnel.



Caution! Hot Surface

Do not touch the enclosure of the device during operation.



Reading Manual

Read the user manual and all safety instructions carefully before installation, operation, and maintenance.



Reading Manual

Read the user manual and all safety instructions carefully before installation, operation, and maintenance.



Caution! Risk of Electric Shock

Wait at least 5 minutes after all voltage sources are disconnected before servicing.



Grounding

Indicates the position for connecting the protective earthing (PE) cable.

General guidelines

1. Read this document and other related product documentation before any operation.
2. The installation of this product must comply with all applicable local regulations, codes, or standards.

3. Only qualified technicians who have read and understood the installation instructions are allowed to install or maintain this product.
4. An overcurrent circuit breaker rated at at least 16 A (EU version) or 13 A (UK version) must be installed between this product and the grid.
5. When the photovoltaic (PV) array is exposed to light, it supplies direct current voltage to the power conversion equipment (PCE).
6. Use isolated tools and wear personal protective equipment when installing, servicing, or maintaining this product.
7. Install this product in a tidy, dry, and well-ventilated environment.
8. Keep the product out of reach of children and pets. Close supervision is required when the product is used near children.
9. We recommend not using cables longer than 30 meters.
10. Before making any electrical connections, ensure that the product and all loads are switched off.
11. To reduce the risk of damage to the plug and cord, pull the plug rather than the cord when disconnecting the product.
12. Do not put fingers or hands into the product.
13. Do not expose this product to direct sunlight, rain, or snow.
14. Do not expose this product to strong electromagnetic fields to avoid radio interference.
15. Do not install or operate this product near flammable, explosive, corrosive, or caustic materials.
16. Do not install or operate this product during extreme weather events such as lightning, heavy rain, or strong wind.
17. Do not subject this product to severe impacts, vibrations, or drops to prevent physical damage.
18. Do not drag, squeeze, step on, or throw this product into fire, as this may cause an explosion.
19. Do not use any damaged cords or cables with this product.
20. Do not damage, deface, or remove any labels on this product, as they contain important safety information.
21. Do not disassemble, repair, or modify this product by yourself. For any maintenance or service, contact EcoFlow Customer Service.
22. Do not use unofficial or unrecommended components and accessories. For any replacements, contact EcoFlow for further assistance.
23. Do not clean the product with flammable or toxic solvents. Use a dry and soft cloth for cleaning.
24. Do not place objects weighing more than 180 kg on the product.
25. Device Removal: To safely remove this product, perform the following steps in sequence.
 - a. Power off the connected load and disconnect the cable from the AC outlet.
 - b. Disconnect the cable from the grid terminal.
 - c. Disconnect the cables from the PV terminals (if any).
 - d. Power off the product.
26. This device is not intended to power life-sustaining medical equipment, such as medical-grade ventilators (e.g. hospital-grade CPAP machines) or artificial lungs (e.g. ECMO systems).
27. Grounding Instructions: This product must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance to electric current to reduce the risk of electric shock. For your safety, EcoFlow provides a cord with an equipment grounding conductor

(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. Consult a qualified electrician if you encounter the following situations:

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

28. Floating Ground Notice: The grounding terminal is not connected to the AC neutral line. The internal electrical system remains isolated from the earth when the device (and its cascading system, if applicable) is disconnected from grid power.
29. External Grounding Instructions: Supplemental grounding may be necessary at installation sites with inadequate grounding or specific grounding requirements mandated by local codes. In such cases, use the grounding terminal on this product to establish proper grounding.
30. Do not use the product near heat sources or expose it to excessively high or low temperatures, as this may cause product damage or personal injury.
31. When moving the equipment by hand, wear protective gloves to prevent injuries.
32. Move the equipment with caution, as it is heavy. At least two people are required to move it.
33. Use only Class II PV modules compliant with IEC 61730 (Application Class A) and compatible with this product. Do not ground the PV array positive or negative terminals.
34. UK only: The installer must notify the local grid operator (DNO) within 28 days after installation and commissioning.

Regulatory compliance

CE Hereby, EcoFlow Inc. declares that this product is in compliance with Directive 2014/30/EU, 2014/53/EU, (EU)2011/65/EU(RoHS) and its amendment (EU)2015/863, (EU)2023/1542. The full text of the EU declaration of conformity is available at the following internet addresses: <http://www.ecoflow.com/eu/eu-compliance>.

Radio Frequency (RF) Specifications for EU

- Bluetooth
 - Frequency: 2412-2484MHz
 - Maximum Output Power: < 20 dBm
- WLAN
 - Frequency: 2402-2480MHz
 - Maximum Output power: < 20 dBm



This marking indicates that this product should not be disposed of with other household waste within the EU. Recycle this product properly to prevent possible damage to the environment or a risk to human health via uncontrolled waste disposal and in order to promote the sustainable reuse of material resources. Please return your used product to an appropriate collection point or contact the retailer where you purchased this product. Your retailer will accept used products and return them to an environmentally-sound recycling facility. For information on the disposal of electrical and electronic equipment, please visit the following website: <https://eu.ecoflow.com/pages/electronic-devices-disposal>

UK PTSI

Hereby, Ecoflow Inc. declares that the equipment complies with the 2023 No1007 CONSUMER PROTECTION, The Product Security and Telecommunications Infrastructure (Security Requirements for Relevant Connectable Products) Regulations 2023 and relevant standards.

Appendix A Accessory list

Appendix B Technical Specification

General Info

Dimensions	STREAM 5000: 295 × 298 × 489 mm STREAM AC 5000: 295 × 287 × 489 mm
Weight	STREAM 5000: ≈ 45.4 kg STREAM AC 5000: ≈ 44.6 kg
Battery type	LFP (LiFePO4)
Battery rated voltage	16 V DC
Battery rated capacity	5024 Wh
IP rating	IP65 (only when the protective cover of AC outlet is closed)
Pollution degree	PD2 (Inside), PD3 (Outside)
Overvoltage category	PV: II, AC: III
Communication	Bluetooth, Wi-Fi, CAN
User interface	LED & APP
Environmental	

category	Outdoor / Indoor
Isolation method (solar)	Isolated transformer
Mounting method	Floor Stand
Operating altitude	≤ 3000 m
Operating temperature	-20°C to 55 °C
Storage temperature	-30°C to 60°C
Relative humidity	5% to 95%

AC output (Off-grid)

Nominal output power	3000 W If the expansion battery or the solar panel is not connected, the nominal output power is 2500 W.
Nominal output current	13 A
Nominal voltage	L-N: 230 V AC; L+N+PE
Nominal frequency	50/60 Hz

AC input / output (on-grid)

Max. output power	3000 W Enabling this function must comply with local regulations and must be performed by professional technicians. If the expansion battery or the solar panel is not connected, the max. output power is 2500 W.
Max. apparent power	3000 VA If the expansion battery or the solar panel is not connected, the max. apparent power is 2500 VA.
Nominal voltage	L-N: 230 V AC; L+N+PE
Supported power grid types	TN-S, TN-C, TN-C-S, TT
Nominal frequency	50/60 Hz

Power factor	0.8 leading~0.8 lagging
Nominal output power	800 / 790 / 600 W
Nominal output current	3.48 / 3.43 / 2.61 A
Max. output current (bypass mode)	EU version: 16 A UK version: 13 A
Max. input current (bypass mode)	EU version: 16 A UK version: 13 A

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- Nominal output power depends on the product model.
 - 800 W (EF-ST5K-AC-UK-3000-1、EF-ST5K-AC-EU-3000-1、EF-ST5K-AC-UK-2500-1、EF-ST5K-AC-EU-2500-1、EF-ST5K-AC-UK-1500-1、EF-ST5K-AC-EU-1500-1、EF-ST5K-AC-UK-800-1、EF-ST5K-AC-EU-800-1, EF-ST5K-HD-UK-3000-1, EF-ST5K-HD-EU-3000-1, EF-ST5K-HD-UK-2500-1, EF-ST5K-HD-EU-2500-1, EF-ST5K-HD-UK-1500-1, EF-ST5K-HD-EU-1500-1, EF-ST5K-HD-UK-800-1, EF-ST5K-HD-EU-800-1)
 - 790 W (EF-ST5K-AC-EU-790-1, EF-ST5K-HD-EU-790-1)
 - 600 W (EF-ST5K-AC-EU-600-1, EF-ST5K-HD-EU-600-1)
 - Nominal output current depends on the product model.
 - 3.48 A (EF-ST5K-AC-UK-3000-1、EF-ST5K-AC-EU-3000-1、EF-ST5K-AC-UK-2500-1、EF-ST5K-AC-EU-2500-1、EF-ST5K-AC-UK-1500-1、EF-ST5K-AC-EU-1500-1、EF-ST5K-AC-UK-800-1、EF-ST5K-AC-EU-800-1, EF-ST5K-HD-UK-3000-1, EF-ST5K-HD-EU-3000-1, EF-ST5K-HD-UK-2500-1, EF-ST5K-HD-EU-2500-1, EF-ST5K-HD-UK-1500-1, EF-ST5K-HD-EU-1500-1, EF-ST5K-HD-UK-800-1, EF-ST5K-HD-EU-800-1)
 - 3.43 A (EF-ST5K-AC-EU-790-1, EF-ST5K-HD-EU-790-1)
 - 2.61 A (EF-ST5K-AC-EU-600-1, EF-ST5K-HD-EU-600-1)

PV Input (only for STREAM 5000)

Operating voltage range	15-60 V
MPPT start-up voltage	20 V
Max. input voltage	60 V
Max. input current per MPPT	32 A

Max. short circuit current per MPPT	40 A
Number of MPPT	4
PV module connection method	Direct / Parallel connection
Max. input power per MPPT	1250 W
Max. total input power	5000 W
Backfeed current to PV array	0 A

Stacking Port

Rated voltage	50 V
Voltage range	45-60 V
Communication	CAN

Protection

Insulation resistance detection	Yes
Reverse polarity protection	Yes
AC overcurrent protection	Yes
AC short circuit protection	Yes
AC overvoltage protection	Yes
DC surge protection	Type IV

Compliance

Safety standards	STREAM 5000: EN 62109-1/-2, EN IEC 62040-1 STREAM AC 5000: EN 62477-1, EN IEC 62040-1
Grid-tied standards	VDE-AR-N 4105, EN 50549-1/10, TOR Erzeuger Type A, NTS 631 V2.1, CEI 021, C10/11, G98
EMC&RF	EN IEC 61000-6-1, EN IEC 61000-6-3, EN IEC 61000-6-2, EN IEC 61000-6-4, EN IEC 62040-2(UPS), EN 300328, EN 301 489-1, EN 301 489-17, EN IEC 62311, EN 50665, EN 62920 (STREAM 5000)

