

PORODO



Porodo

2400W FORCEBASE Portable Power Station

SKU: PDX2400BKOR

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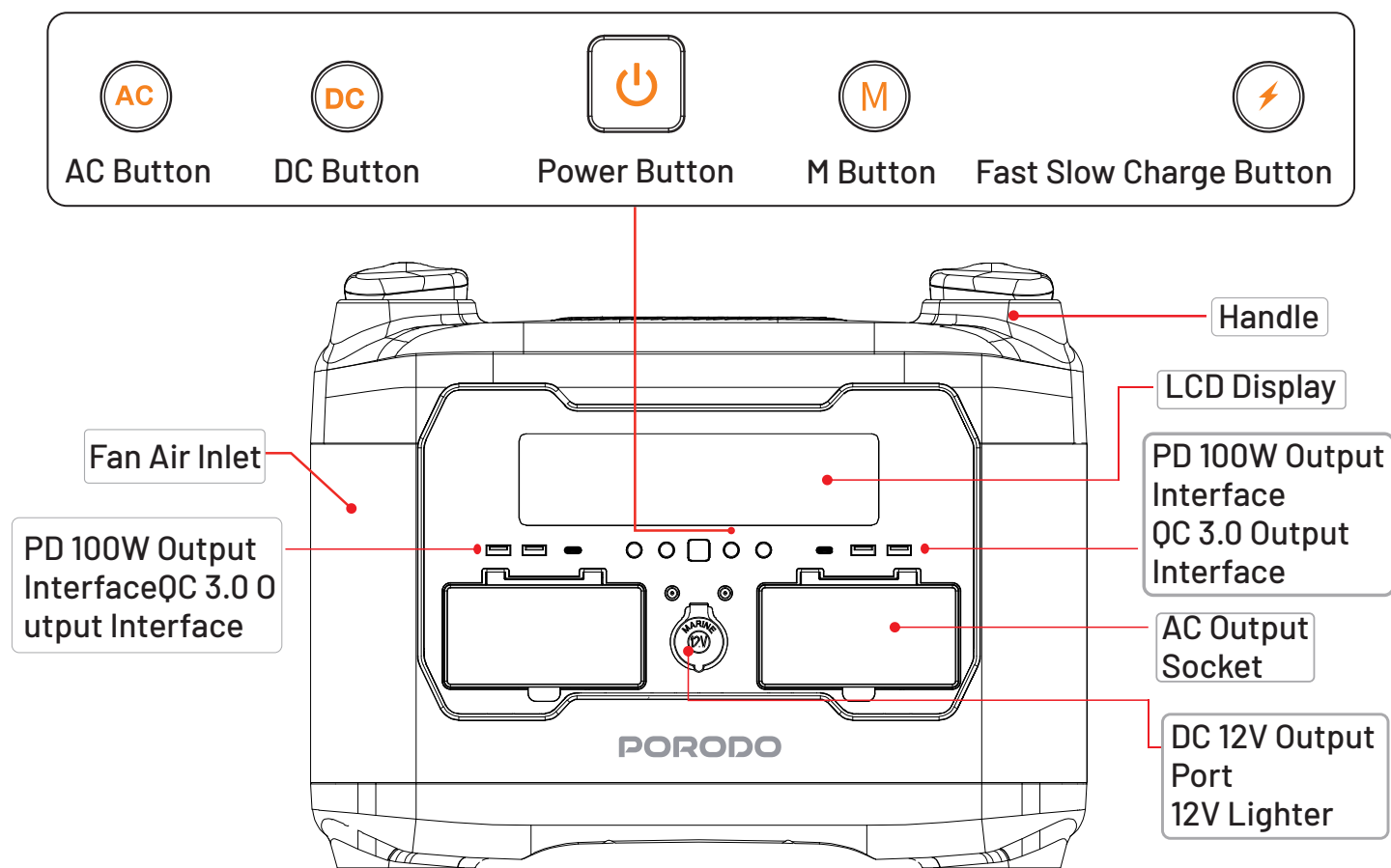
Important Notes

Thank you for choosing our product.

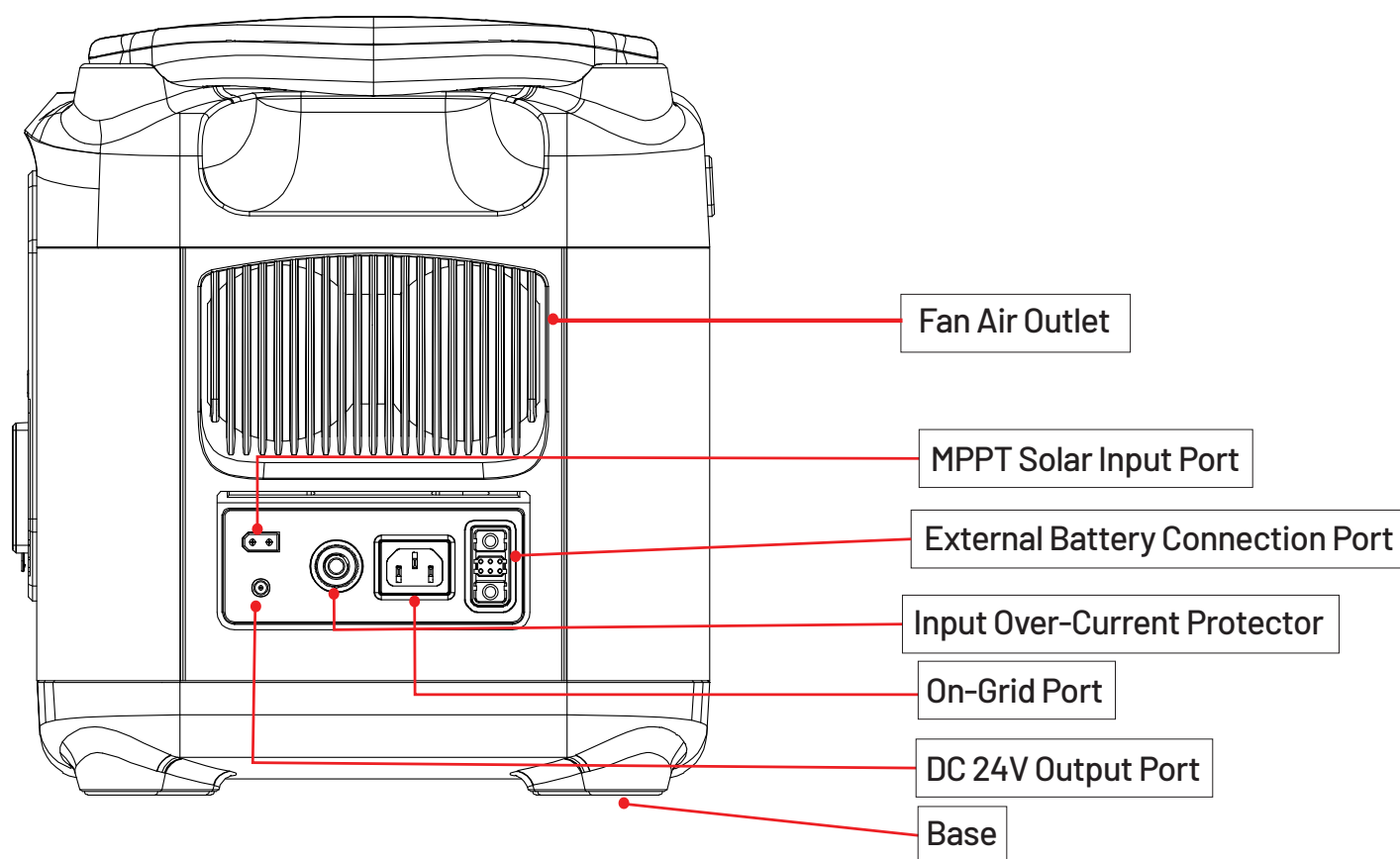
1. Please read the instructions thoroughly before use.
2. This product is intended for emergency use and should not replace the standard AC power supply for household appliances or digital devices.

Important Notes

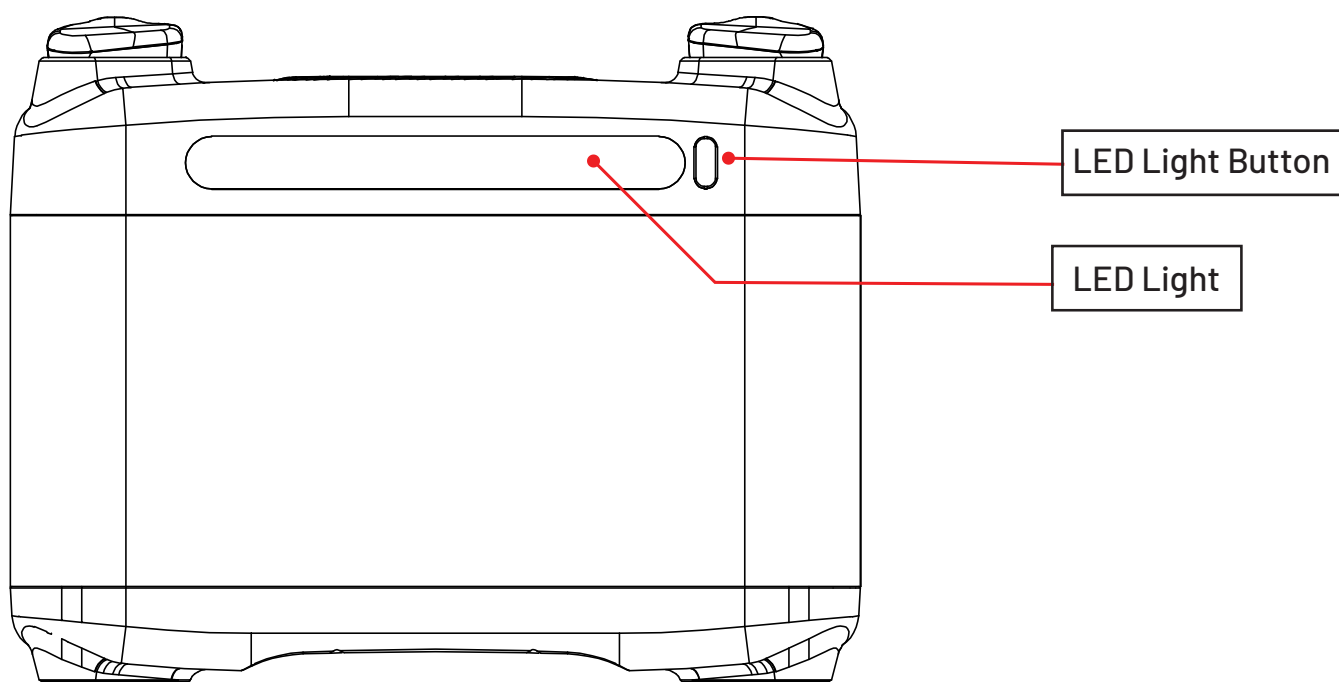
1. Front View



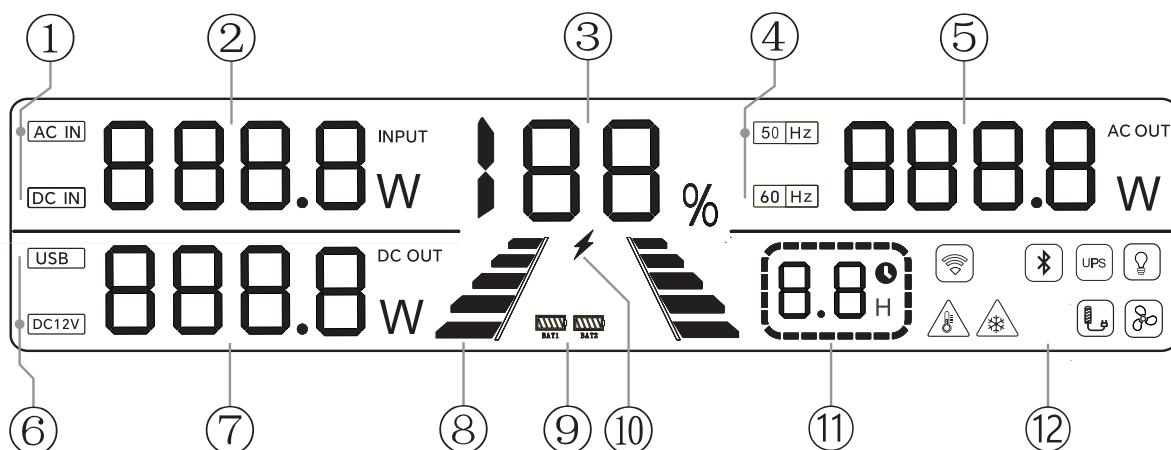
2. Right Side View



3. Back View



Display Guide



Descriptions	
①	AC and DC (Solar) Input Icons: These icons remain lit while the device is charging.
②	Charging Input Power Display: When charging via both AC and DC simultaneously, the total combined power is displayed.
③	Battery Percentage Display
④	AC Output Frequency Display
⑤	AC Output Power Display
⑥	USB/DC12V Output Icons: These icons remain illuminated when the corresponding output ports are active.
⑦	Direct Current Output Power Display: When both USB and DC12V outputs are active at the same time, the total combined power is displayed.
⑧	5-Bar Battery Indicator
⑨	Expansion Battery Indicator: A constant illumination indicates that an expansion battery is connected to the main unit.
⑩	Fast Charging Indicator: When this icon is displayed, the device is in fast charging mode. If not displayed, the device is in slow charging mode.
⑪	Remaining Usage Time
⑫	UPS Icon: This icon lights up when the UPS function is activated.
	LED Light Indicator Icon: This icon remains illuminated when the LED light is turned on.
	High Temperature Warning Icon: This icon flashes when the high-temperature protection threshold is reached.
	Low Temperature Warning Icon: This icon flashes when the temperature falls below the set protective temperature threshold.
	Successful Expansion Battery Connection Icon: This icon stays lit when an expansion battery is successfully connected to the main unit.
	Fan Icon: This icon stays illuminated when the fan is turned on.
	Wi-Fi Icon: This icon flashes during network setup and stays illuminated once the Wi-Fi connection is established.
	Bluetooth Icon: This icon stays on when Bluetooth is connected.

Application Scenarios

1. This product is compact and lightweight, making it highly portable and convenient for use in various locations.



Long-distance Level

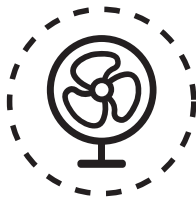


Camping and Picnicking



Wilderness Exploration

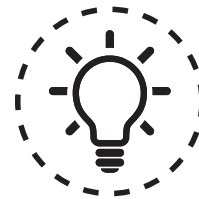
2. It is equipped with a 220VAC inverter, providing reliable emergency power to household appliances such as computers, refrigerators, rice cookers, lighting, and more.



Small Fan



Mini Rice Cooker

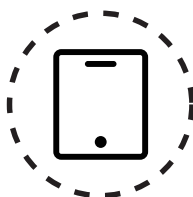


Light Bulb

3. The product also includes a DC output function, capable of supplying power to digital devices such as smartphones, laptops, watches, toys, and car accessories. It supports USB Quick Charge 3.0 and PD charging, features DC output ports, and a cigarette lighter socket, allowing it to power 12V car devices.



Laptop



Tablet

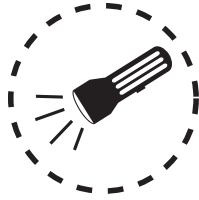


Smartphone

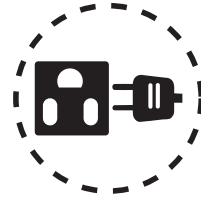
4. Designed for outdoor use, this product comes with a built-in, high-capacity safety battery. It features a high-intensity LED lighting function with multiple modes, including constant brightness, dimming, fast flashing, and an SOS distress signal. Note: This product is not waterproof and should not be used in rainy, snowy, or damp conditions.



Safe to Use



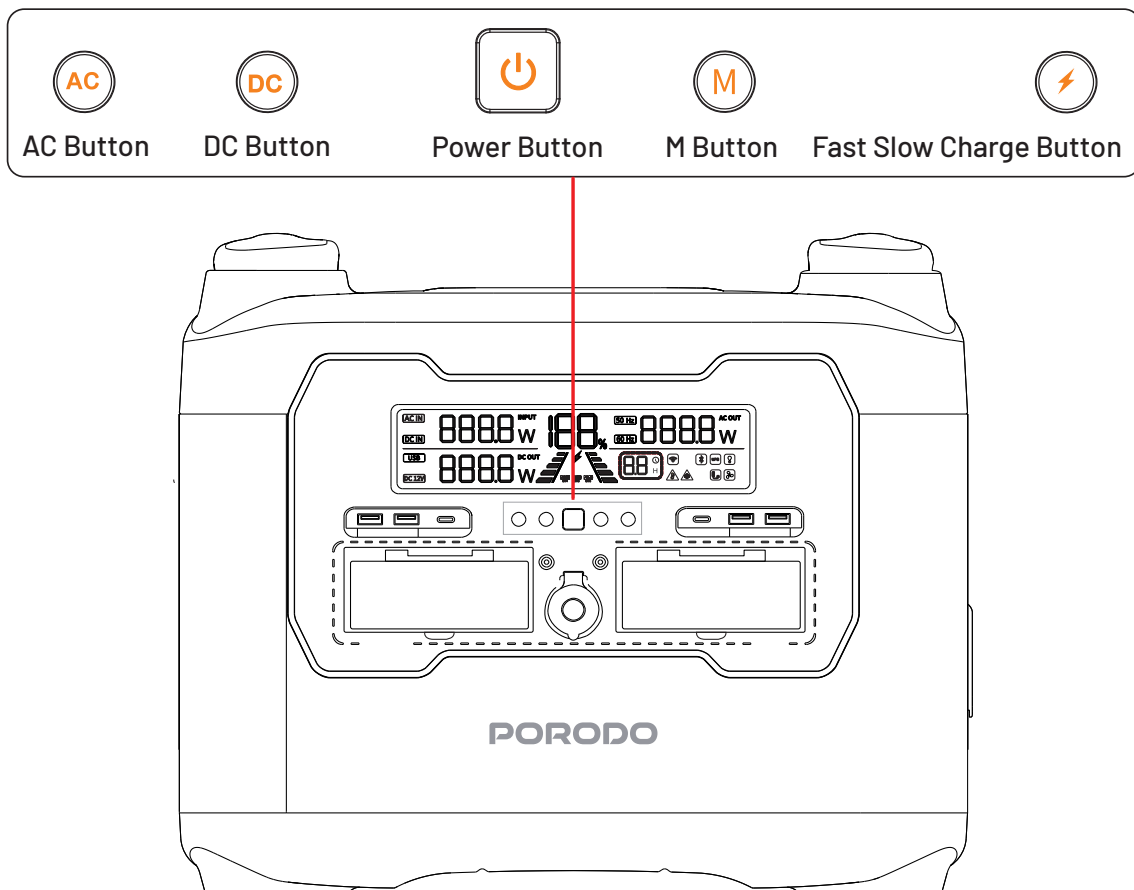
Emergency Lighting



Outdoor Energy
Storage

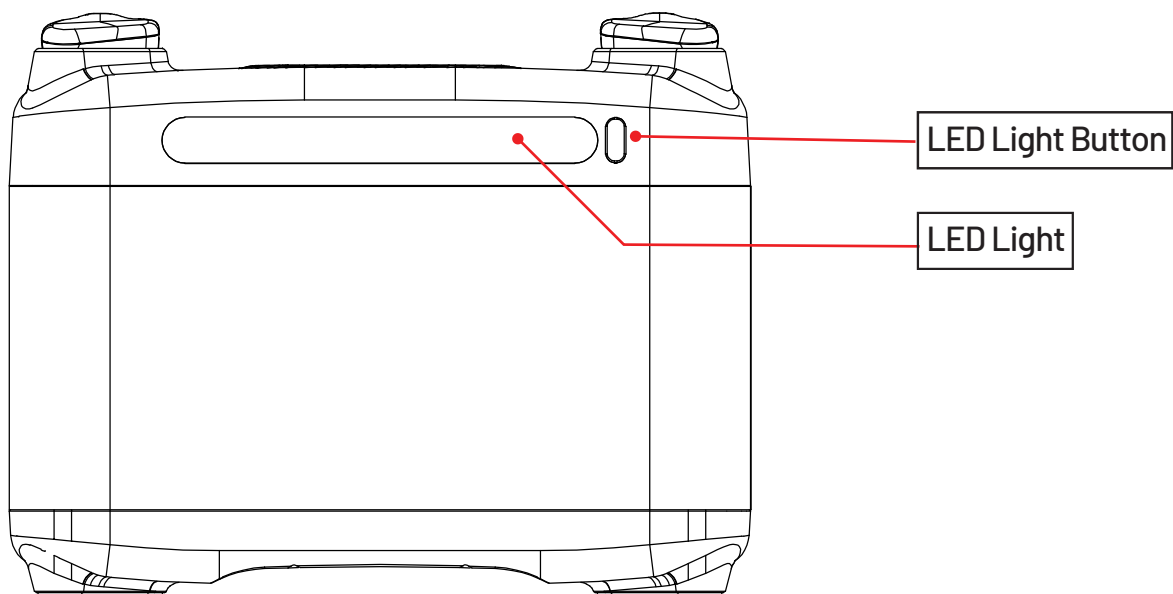
Power On/Off

- 1.** To power on the device, press and hold the "Power button."
- 2.** While the device is on, press the "Power button" briefly to turn off the screen.
- 3.** To power off the device, press and hold the "Power button" for 2 seconds.



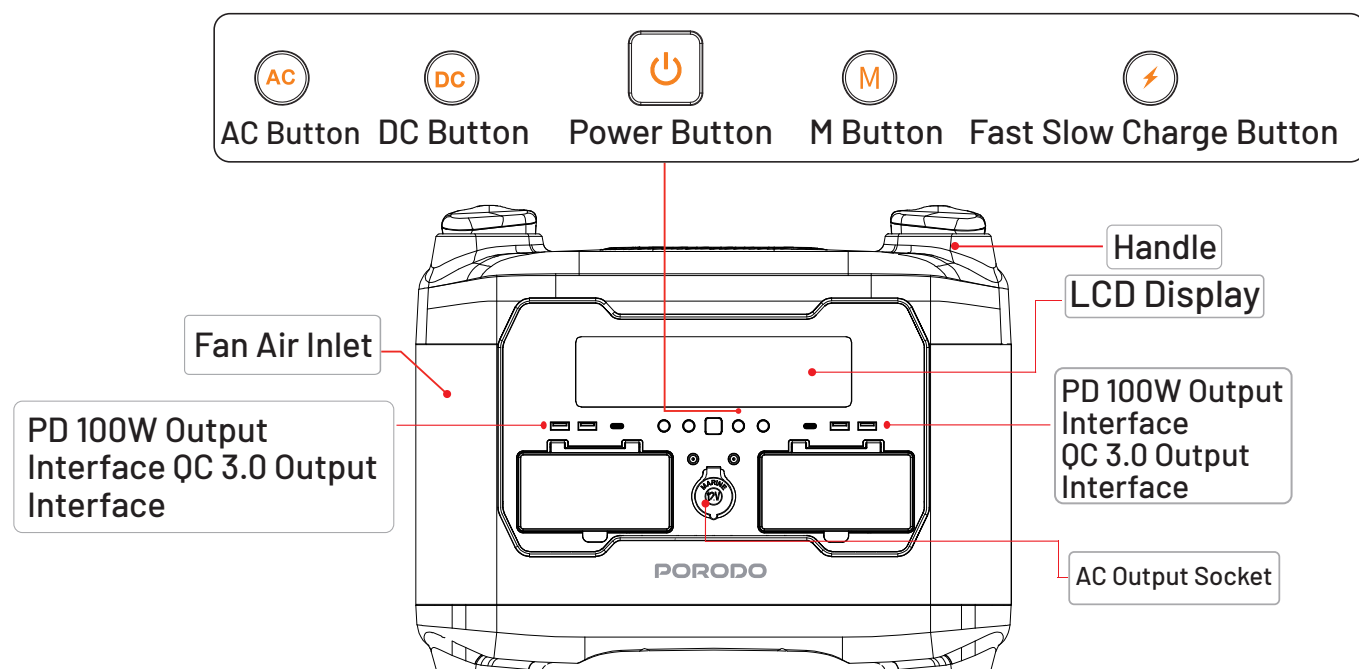
LED Light Operation

1. When the device is powered on, press and hold the "LED Light Button" for 2 seconds to turn on the LED light. The LED illumination icon will appear on the display screen.
2. Press the "LED Light Button" briefly to cycle through the LED light modes: Constant Brightness, Dim Brightness, Rapid Flash, Slow Flash, and Off.



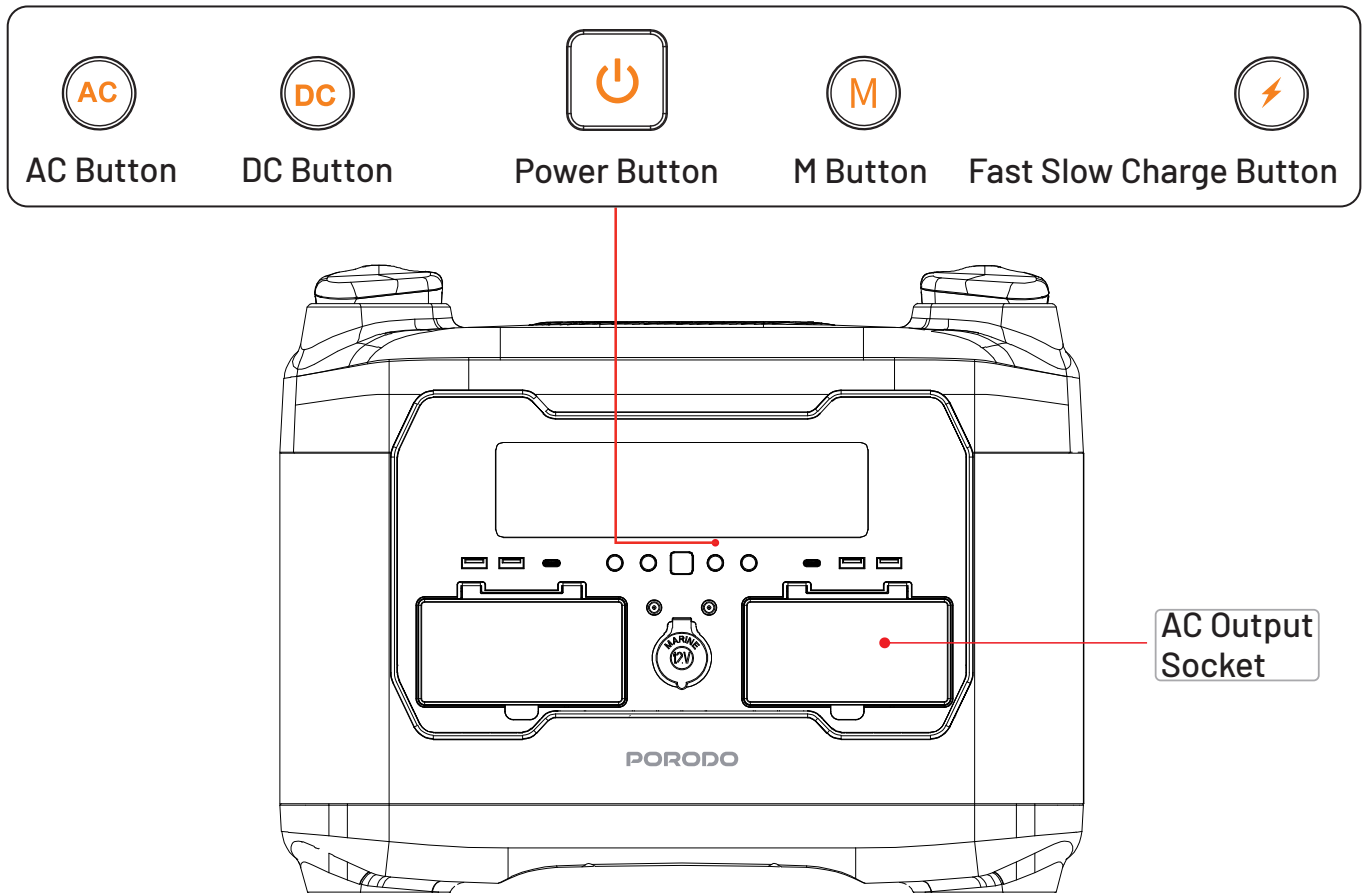
DC Output Function

With the device powered on, press the "DC" button briefly to activate the USB output, Type-C output, and DC 12V output.



AC Output Function

After powering on the product, press and hold the "AC" button for 2 seconds to activate the AC output. When the AC output is no longer needed, press the "AC" button again to turn it off, then unplug the devices.



Charging Guide

1. Charging via the AC Input Port

1.1 To charge at home, connect the provided AC power cord to the mains power supply, with a maximum power rating of 2000W. When charging via AC, the fast charging icon will appear on the display.

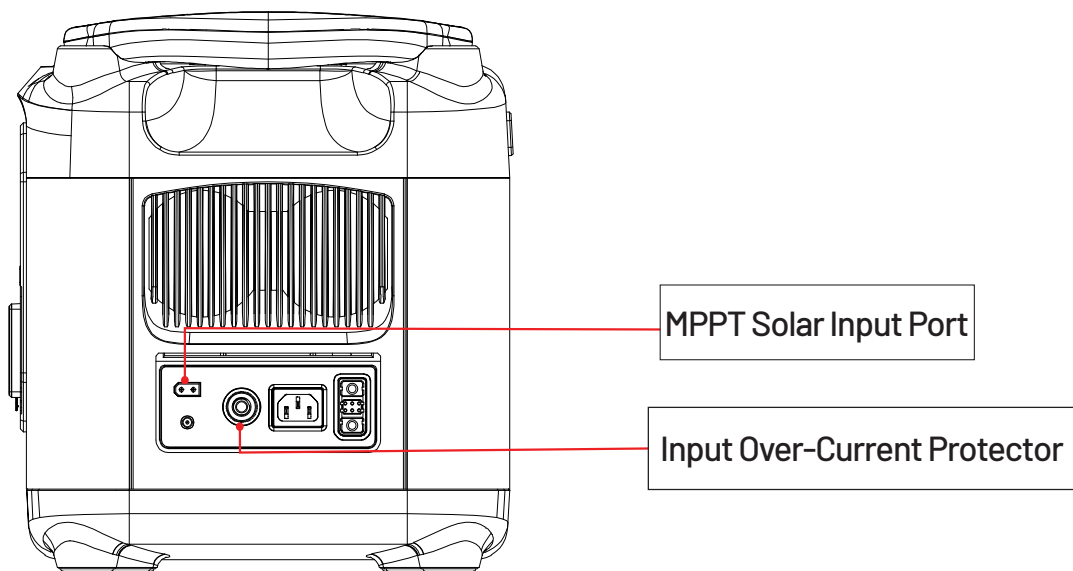
Note: The maximum AC charging power for this unit is 2000W. Charging power may decrease when the battery is nearly full, low, or affected by environmental temperature fluctuations. This is a normal occurrence.

1.2 Silent Charging Mode:

While charging via AC, press and hold the "Slow Charging Switch Button" for 2 seconds to activate silent charging mode. In this mode, the charging power is limited to 400W, and fan noise is minimal.

Important:

- a. Please use the provided charging cable for optimal performance.
- b. Ensure the socket or power strip is rated for at least 10A.
- c. Avoid using a socket or power strip that is burnt or deformed.



2. Charging via the Solar Input Port

This unit is equipped with an XT60 solar input port, supporting DC input from 12V to 60V, with a maximum charging power of 1200W.

The AC and XT60 ports can charge simultaneously. When both are in use, the total maximum charging power is 2200W. However, when charging at the same time, the fixed power input to the AC port is 1000W.

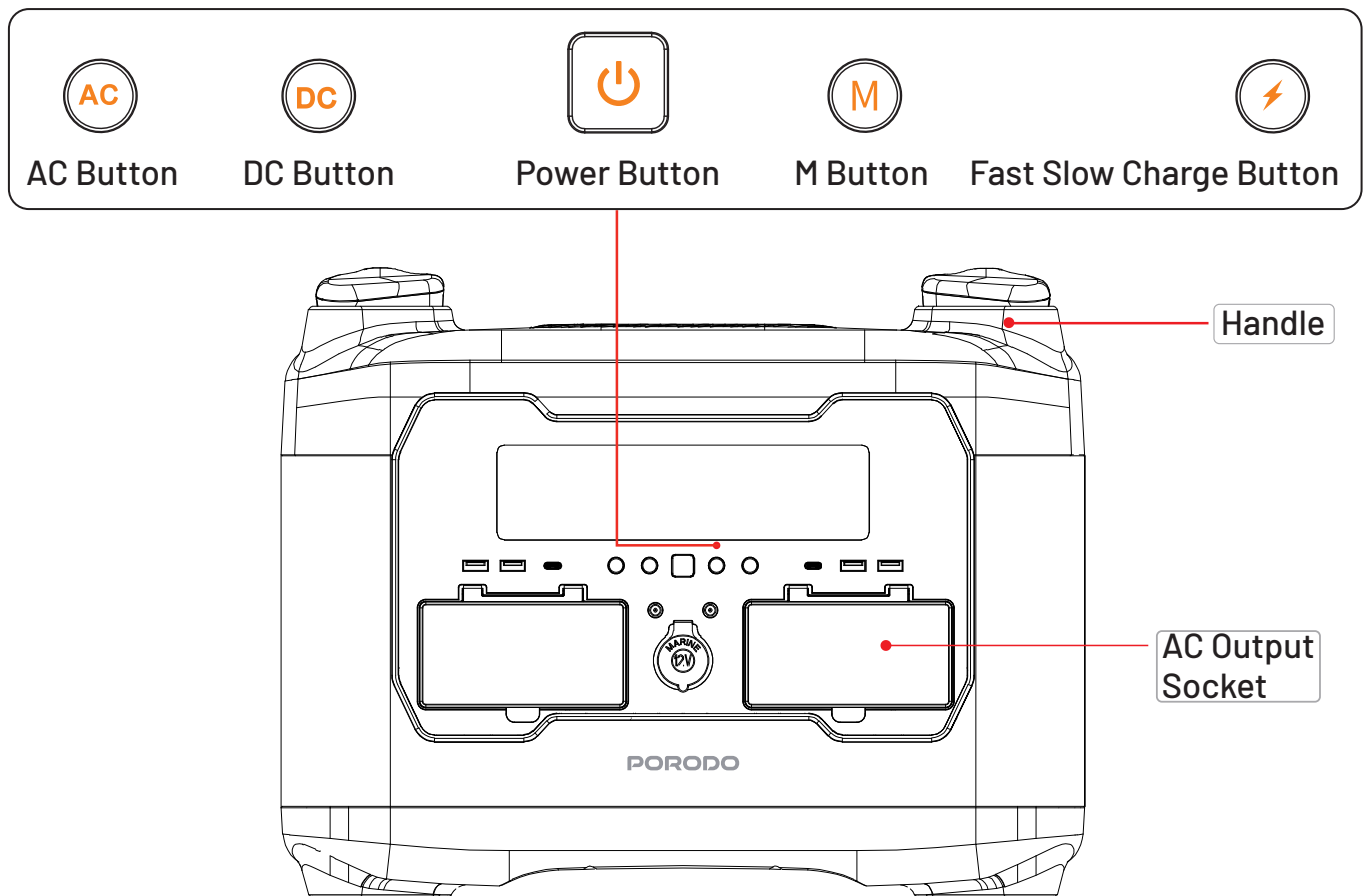
Using the UPS Function

UPS Standard Mode: While charging via AC, press and hold the "AC Button" for 2 seconds. The "UPS" icon will appear on the display screen, indicating that the UPS function has been

activated. If you unplug the charging cable or experience a power outage, the unit will automatically switch to AC output mode and provide power to your appliances within 20 seconds.

UPS Forced Mode: While the unit is powered on, press the "Fast/Slow Charge Button" 5 times consecutively. The "UPS" icon on the display screen will light up, confirming that UPS Forced Mode is activated. In this mode, whenever AC power is connected, the AC output will automatically activate, regardless of the situation. To deactivate UPS Forced Mode, press the "Fast/Slow Charge Button" 5 times again while the unit is powered on.

Note: Due to variations in electrical devices, the UPS function cannot guarantee compatibility with all appliances. If your devices require UPS functionality, please conduct a trial to ensure they can be used with it.



Using the Micro-Inverter Mode

While the machine is powered on, press and hold the "M" button for 2 seconds. The DC output power display section on the screen will show the micro-inverter mode code: 001. This indicates that the machine has entered the micro-inverter mode. Connect the machine's AC input port to the power grid using the provided AC cable.

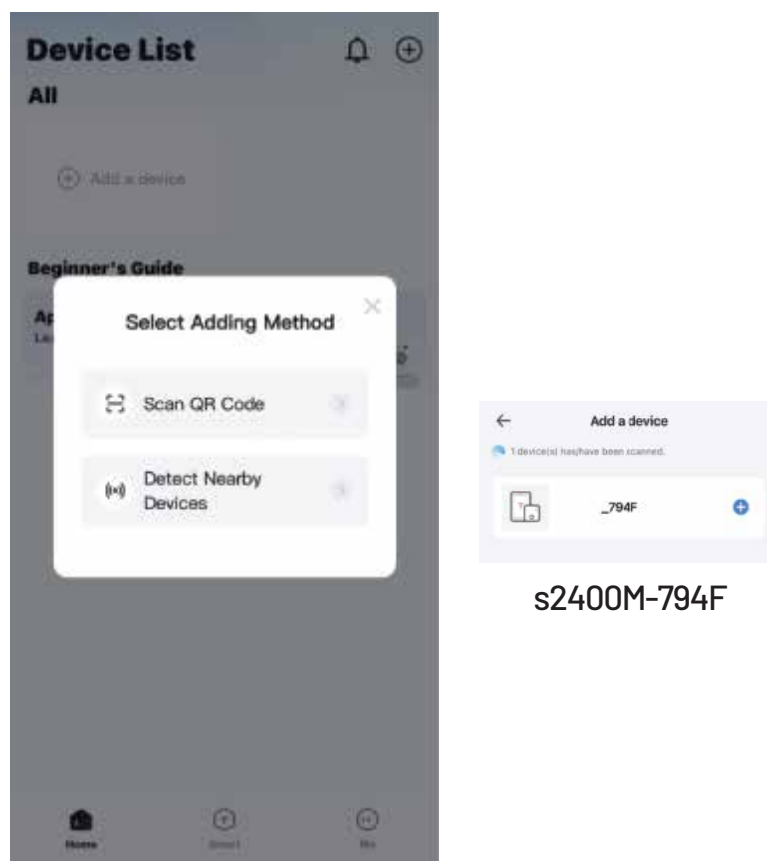
Note: Before using the micro-inverter mode, ensure that the power grid is operational, and the machine's AC input port is properly connected to the power grid via the provided AC cable. In grid-connected mode, the machine can output a maximum power of 800W to the power grid. Please ensure that the socket connected to the machine and the wires connected to the socket can handle this power to avoid safety risks

Exit Micro-Inverter Mode

To exit micro-inverter mode, press and hold the "M" button for 2 seconds. The DC output power display area on the screen will no longer show "001," indicating that the machine has reverted to its normal mode state.

Connect and Control via Wi-Fi/Bluetooth

1. To begin, download and install the "wonderfree" app from your preferred app store. It's available on all major app platforms, including the Apple App Store, Google Play Store, and Android Store.
2. Connecting Devices: With the machine powered on, press and hold the "DC" button for 5 seconds. The Wi-Fi icon on the display will flash, indicating the machine is ready for network connection. Open the app, then connect your phone to Wi-Fi or enable your personal hotspot.
3. To add the device, click "Add a device" and select "Detect Nearby Devices" within the app. The device "S2400D-****" will appear. Simply tap the "Add" icon next to the device details to complete the pairing process.



s2400M-794F

Control Panel and Functions

1. **Real-time Status:** The display provides real-time information, including: PV Input Power, DC Output Power, Grid-Connected Power, AC Output Power, and Battery Capacity (PV)



2. Output Control

2.1 DC Output Control: Turn the DC output on or off, and monitor real-time power for USB, Type-C, and DC output.

2.2 AC Output Control: Turn the AC output on or off, and track the real-time AC output power and voltage.



Operating Mode Settings

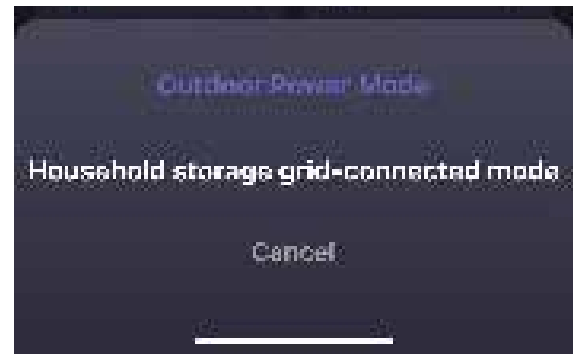
Click the "Mode" option to select from two available working modes:

1. Outdoor Power Mode: In this mode, the device functions as an off-grid, bidirectional energy storage system. The AC output port supplies power to your appliances and quickly charges the unit using the mains power.

2. Household Storage Grid-Connected Mode: In this mode, the unit prioritizes providing power to the grid until the battery reaches the set discharge threshold, after which it will shut down the output.

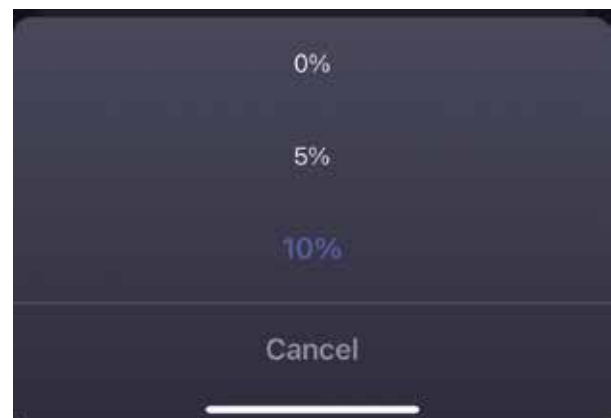
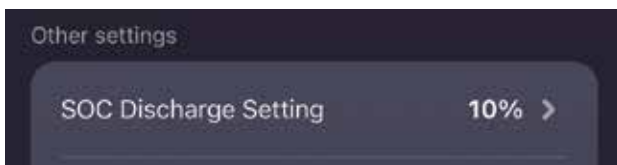
3. Timing Function:

The machine is equipped with a timed grid connection feature. It allows you to set up to 5 periods to automatically activate the grid connection function. Additionally, the grid connection power can be customized separately for each period.



Adjust On-Grid Power

Click on the "On-Grid Power Setting" to adjust the grid-connected output power, ranging from 100W to 800W (with an adjustment step of 10W).



Minimum Battery Capacity Protection

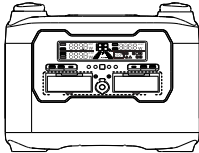
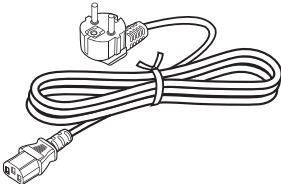
To protect battery health and longevity, click on the "SOC Discharge Setting" and choose a value between 5 %,0 %, and 10 %. Once the battery capacity reaches the selected value, the device will automatically terminate all power output to prevent over-discharging. (Factory default: 0 %)

Specifications

4 Ports, QC5 :3.0V/3A, 9V/2A, 12V/1.5A, 18W Max

Battery Capacity	2047.5Wh (48.75V / 42Ah)
AC Input Power	1500-2000W, 230V 60/50Hz
AC Output Power	2400W Peak
Solar Charge Input	MPPT 12-60V/30A, 1200W Max
USB-A Output	4 Ports, QC3.0 :5V/3A, 9V/2A, 12V/1.5A, 18W Max
USB-C Output	2 Ports, PD 100W Max (5V-20V)
DC Output	2 Ports, 12V/10A (120W max)
Material	Aluminum Alloy
Display Size	4.5" LED Touchscreen
Wireless Connectivity	Wi-Fi 2.4GHz, Bluetooth V5.0
LED Light Power	6W
Power Cord	UK 3-Pin Plug
Product Size	432 x 296 x 334mm
Product Weight	25.4kg

Package Contents

Power Station	
AC Charging Cable	

Cautions

1. Always operate or store the unit within the specified temperature range.
2. DO NOT expose the unit to fire, liquids, sweat, dirt, or other contaminants, as these may cause the battery to explode or leak flammable liquids or gases.
3. DO NOT store the unit with hazardous materials, including flammables, explosives, or radioactive materials.

- 4.** Ensure the area where you use the unit is well-ventilated and spacious.
- 5.** Keep the unit away from children and pets.
- 6.** Verify that all connectors of connection cables are securely locked before use.
- 7.** During use or while charging, if the unit experiences slight heating, it is considered a normal phenomenon and not a malfunction.
- 8.** DO NOT modify, attempt to insert foreign objects into the battery, or expose it to water or other liquids. Damaged batteries may explode.
- 9.** Battery fluid is corrosive and toxic. If leakage occurs, immediately flush the affected areas with water or seek medical attention.
- 10.** DO NOT ignore warning signs or labels on components or products made by manufacturers.
- 11.** DO NOT dismantle, cut, crush, puncture, or otherwise damage the unit in any way.
- 12.** DO NOT insert foreign objects into the fan, vents, ports, or other openings.
- 13.** NEVER use a damaged battery or component. Improper use or misuse of damaged batteries may cause damage to your device or injury to yourself as a result of battery fluid leakage, fire, overheating, or explosion.
- 14.** Only use approved batteries and accessories. The use of unapproved or incompatible batteries may result in fire, explosion, or other hazards and could invalidate your warranty.
- 15.** Use a dry powder fire extinguisher in the case of fire.
- 16.** DO NOT attempt to disassemble the product. Only professional technical staff are authorized to disassemble it, as improper handling may cause electric shock, fire, or explosion.

Error Code	Description	Solution
E01	DC output overload/short-circuit	Disconnect the devices in the DC connection, then short press the DC button.
E02	DC output over-temperature	Disconnect the device in the DC connection. Once the working temperature returns to normal, the fault code will be removed.
E03	AC output overload/short-circuit	Disconnect the devices in the AC connection, then short press the AC button.
E04	AC output over-temperature	Disconnect the device in the AC connection. Once the working temperature returns to normal, the fault code will be removed.
E07	PD output overload/short circuit	Disconnect the devices in the PD connection and briefly press the DC button.
E08	USB output overload/short circuit	Disconnect the devices in the USB connection and briefly press the DC button.
E09	DC input overvoltage	Disconnect the device in the DC connection. Once the voltage returns to normal, the fault condition will be removed automatically.
E010	DC input undervoltage	Disconnect the device in the DC connection. Once the voltage returns to normal, the fault condition will be removed automatically.
E011	AC input overvoltage	Disconnect the device in the AC connection. Once the voltage returns to normal, the fault condition will be removed automatically.
E12	AC input undervoltage	Once the voltage returns to normal, the fault condition will be removed automatically.
E13	Battery over-temperature	When the working temperature returns to the normal level, the fault code will be removed.
E14	Battery low-temperature	When the working temperature returns to the normal level, the fault code will be removed.
E25	MPPT input over-temperature	When the working temperature returns to the normal level, the fault code will be removed.

Disposal

This product must not be disposed of as unsorted household waste. It is important to separate such waste for proper treatment and recycling, in compliance with local waste management regulations.

Warranty

Products that you buy directly from our **Porodo** website or shop come with a 24-month warranty.

When you buy **Porodo** products from any of our approved sellers, you only get a 12-month warranty. If you want to extend this warranty, go to our website at **porodo.net/warranty** and fill out the form with your information. Don't forget to upload a picture of the product too. After we've checked and accepted your request, we'll send you an email to confirm that your product's warranty has been extended.

For more info, please check:
porodo.net/warranty

Contact Us

If you have any questions about this Privacy Policy, please contact us at:

info@porodo.net

Website: **porodo.net**

Service Support: **support@porodo.net**

Instagram: **[porodo](https://www.instagram.com/porodo)**