



Powerology

Pater III Portable Power Station

SKU: PWGC1200GY

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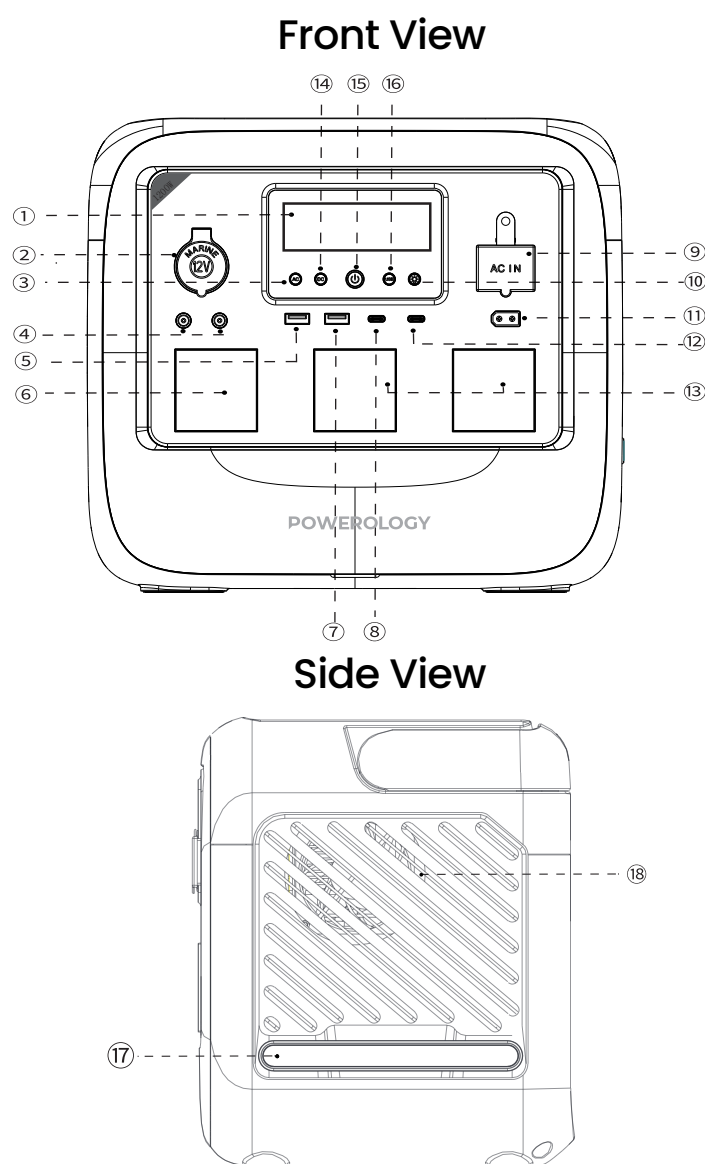
Thank you for choosing our product! We kindly ask that you take a moment to read through this user manual. By following the instructions provided, you will ensure the optimal use of your product and quickly become familiar with its features.

Important Reminder

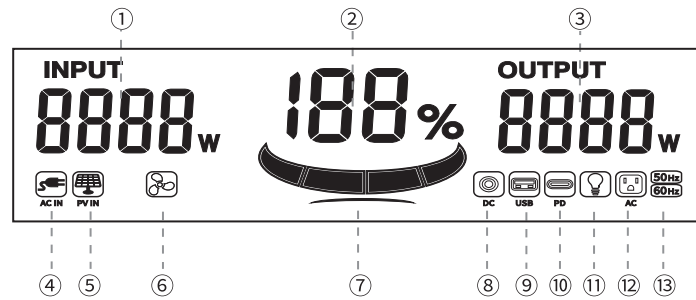
This product is intended for emergency situations and is not a substitute for the standard AC power supply used by household appliances or digital products.

Schematic View

①	Display screen
②	Lighter output port
③	AC button
④	DC output port
⑤	USB1 output port
⑥	AC output port
⑦	USB2 output port
⑧	Type-C1 output port
⑨	AC input port
⑩	LED light button
⑪	XT60 port
⑫	Type-C2 input port
⑬	AC output port 3/2
⑭	DC button
⑮	Power on/off
⑯	USB button
⑰	LED light
⑱	Fan hole



Display Guide



Description	
①	Battery Percentage Display
②	Output Power Display
③	AC Charging Icon: This icon stays on when the AC is charging.
④	Solar Charging Icon: This icon stays on when the solar power is charging.
⑤	Fan Icon: This icon stays on when the fan is on.
⑥	4-Level Battery Display
⑦	DC 12V Output Icon: This icon stays on when the DC output is on.
⑧	USB Output Icon: This icon stays on when the USB output is on.
⑨	PD Output Icon: This icon stays on when the PD output is on.
⑩	LED Light Icon: This icon stays on when the LED light is on.
⑪	AC Output Icon: This icon stays on when the AC output is on.
⑫	AC Output Frequency: This shows the current AC output frequency.

Application Scenarios

1. The product offers a high-capacity battery, compact size, and lightweight design, making it highly portable and versatile for various usage scenarios.



Long-distance Level



Camping and Picnicking



Wilderness Exploration

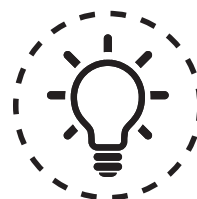
2. The product features both AC input and output functions, allowing for quick recharging of the device itself and providing emergency power to various devices such as fans, mini refrigerators, light bulbs, mini rice cookers, and more.



Small Fan



Mini Rice Cooker

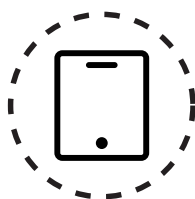


Light Bulb

3. The product features a DC output function that provides emergency charging for devices such as smartphones, tablets, digital cameras, laptops, and more. It also includes multiple DC output interfaces, allowing you to charge several digital devices simultaneously.



Laptop



Tablet

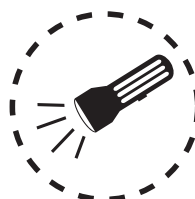


Smartphone

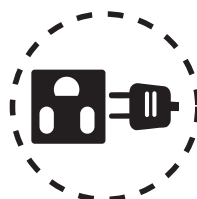
4. The product features an LED lighting function with high-brightness LEDs, designed for durability and ideal for outdoor activities. The LED light offers multiple modes, including high-brightness lighting, brightness adjustment, strobe, and an SOS distress signal.



Safe to Use



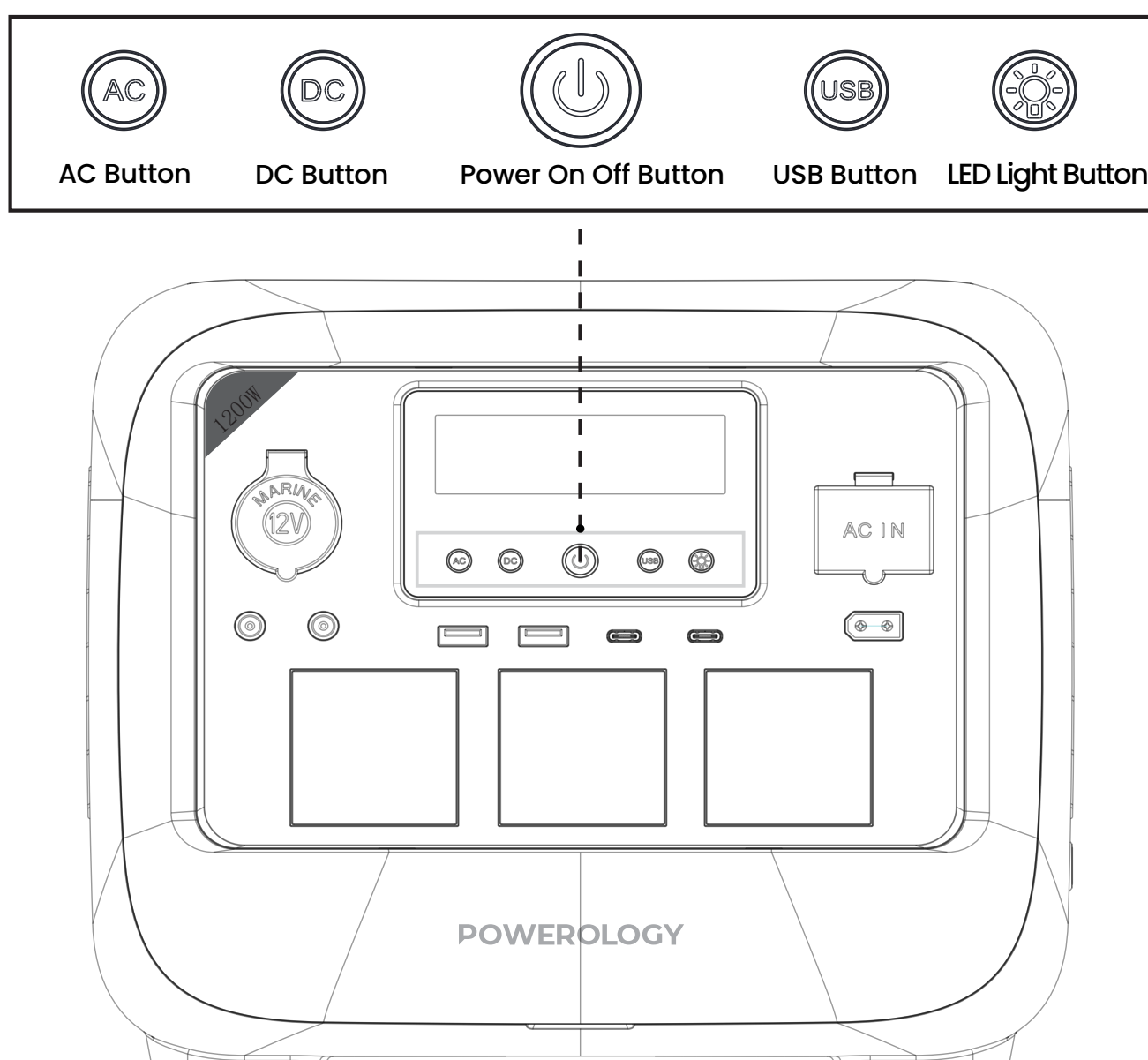
Emergency Lighting



Outdoor Energy
Storage

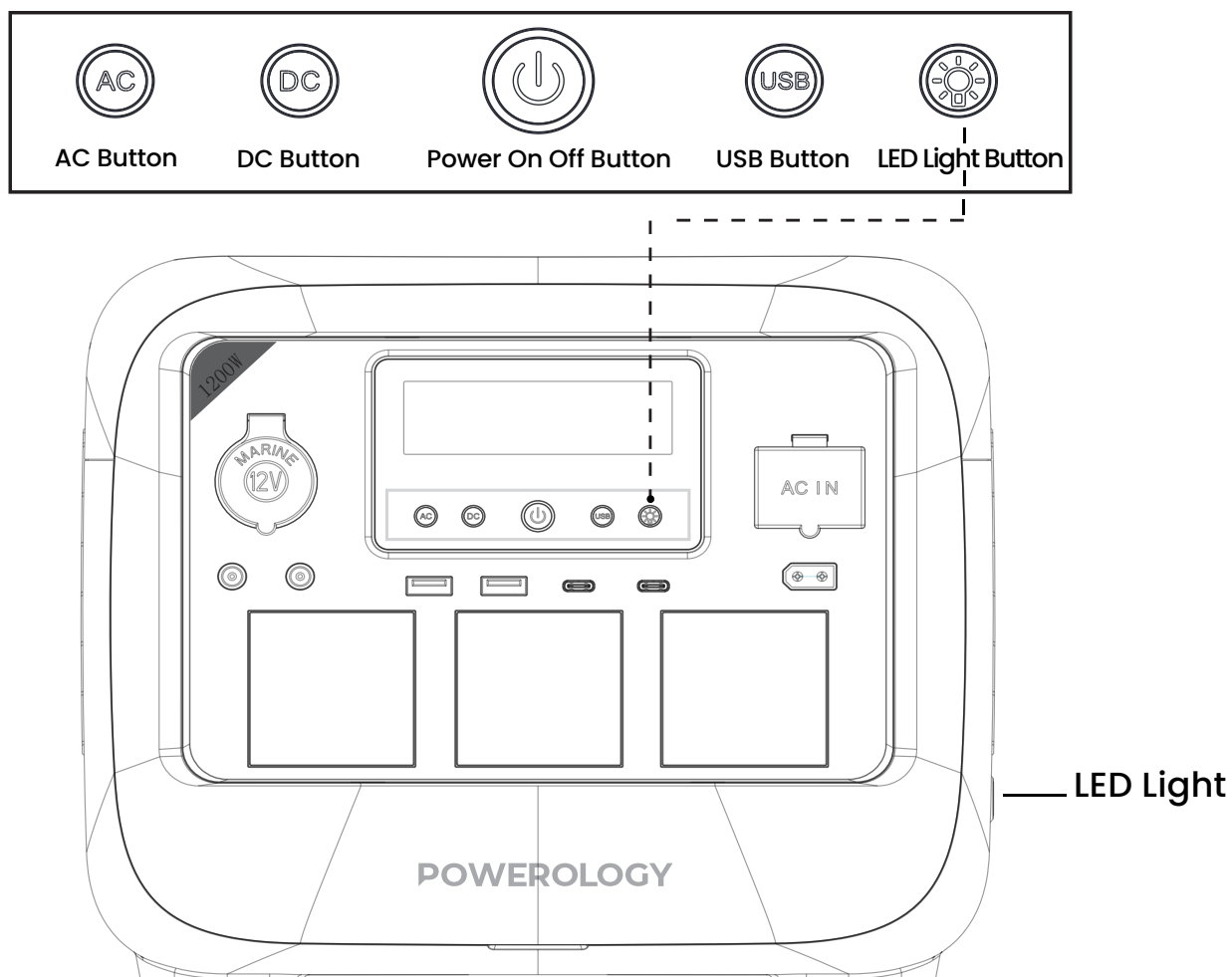
Power On/Off

After powering on the device, press the "LED Light Control Button" briefly to activate the LED light in constant-on mode, which will also light up the LED icon. While the light is on, you can adjust its brightness by pressing and holding the "LED Light Control Button." To cycle through different lighting modes (constant-on, low brightness, SOS, and off), press the button briefly.



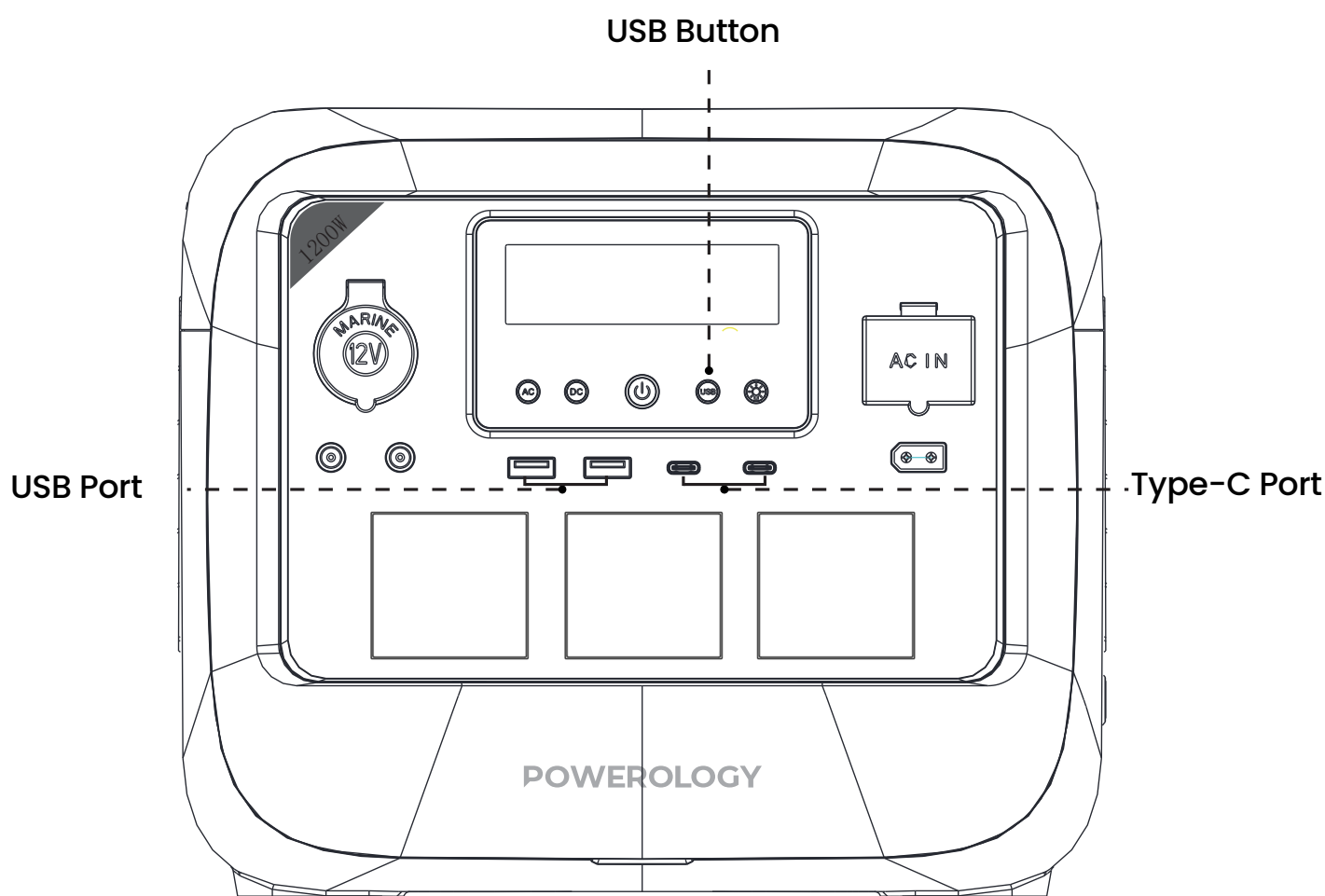
LED Light Operation

After powering on the device, press the "LED Light Control Button" briefly to activate the LED light in constant-on mode, which will also light up the LED icon. While the light is on, you can adjust its brightness by pressing and holding the "LED Light Control Button." To cycle through different lighting modes (constant-on, low brightness, SOS, and off), press the button briefly.



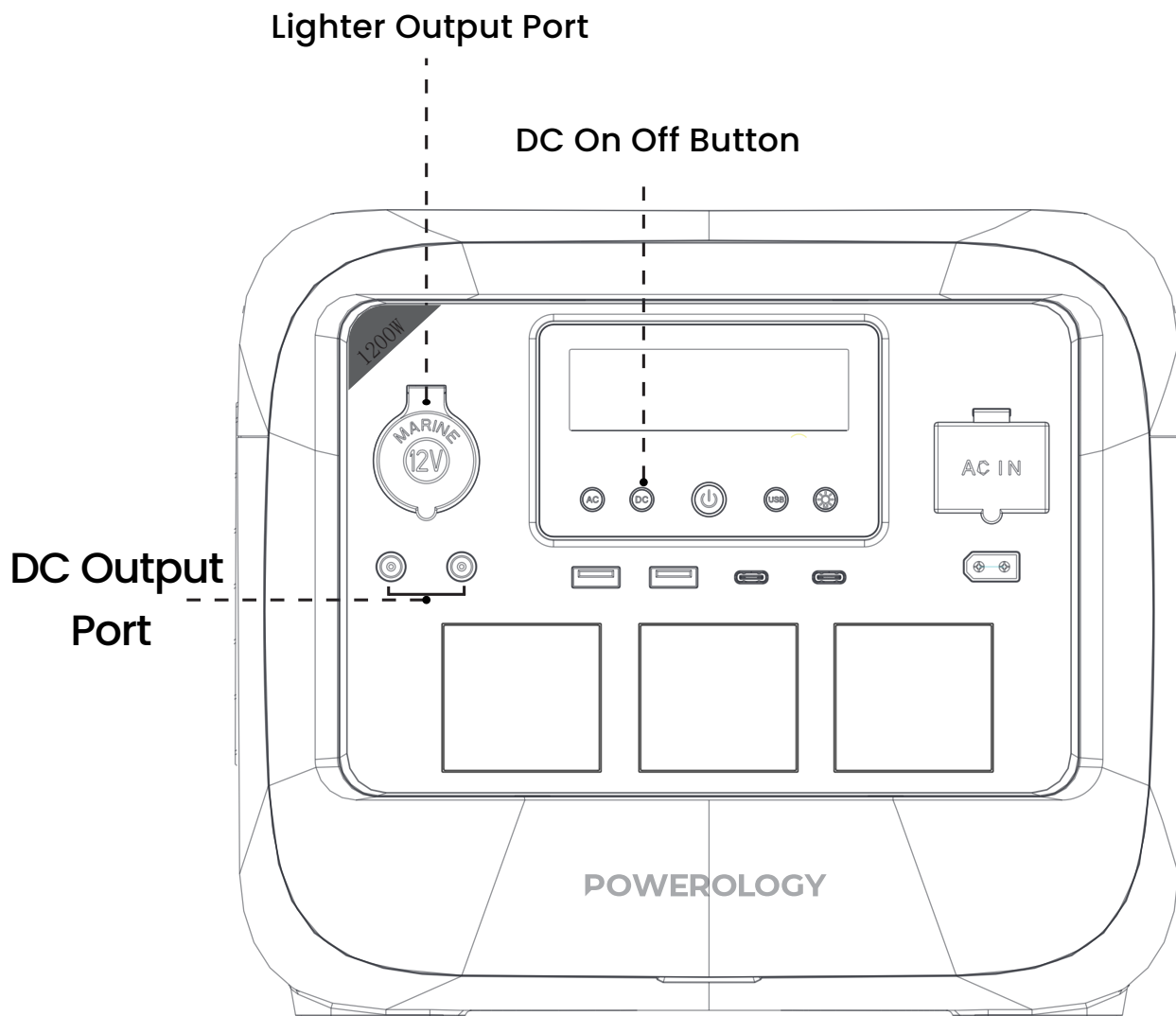
USB Output

1. To activate the USB output, simply press the "USB On/Off Button" for a brief moment. The Type-C icon, USB icon, and output power icon will appear on the screen to indicate that the function is active.
2. Connect your digital device to the unit using the appropriate cable. Your device will begin charging automatically, and the corresponding power value will be displayed on the screen.
3. When multiple devices are being charged simultaneously through different output ports, the screen will show the total output power to keep you informed.



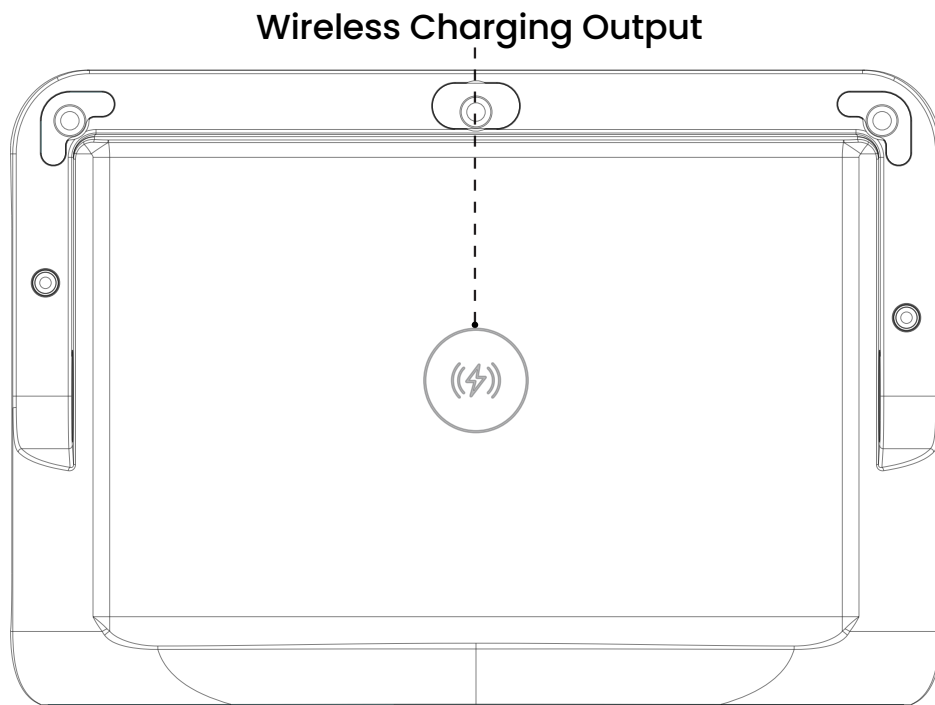
DC and Lighter Output

1. After turning on the product, press the "DC On/Off Button" briefly to activate the DC output function. The DC 12V icon and the DC output power icon will appear on the display, indicating that the function is active.
2. Connect your digital device to the machine using the appropriate connector to charge it.



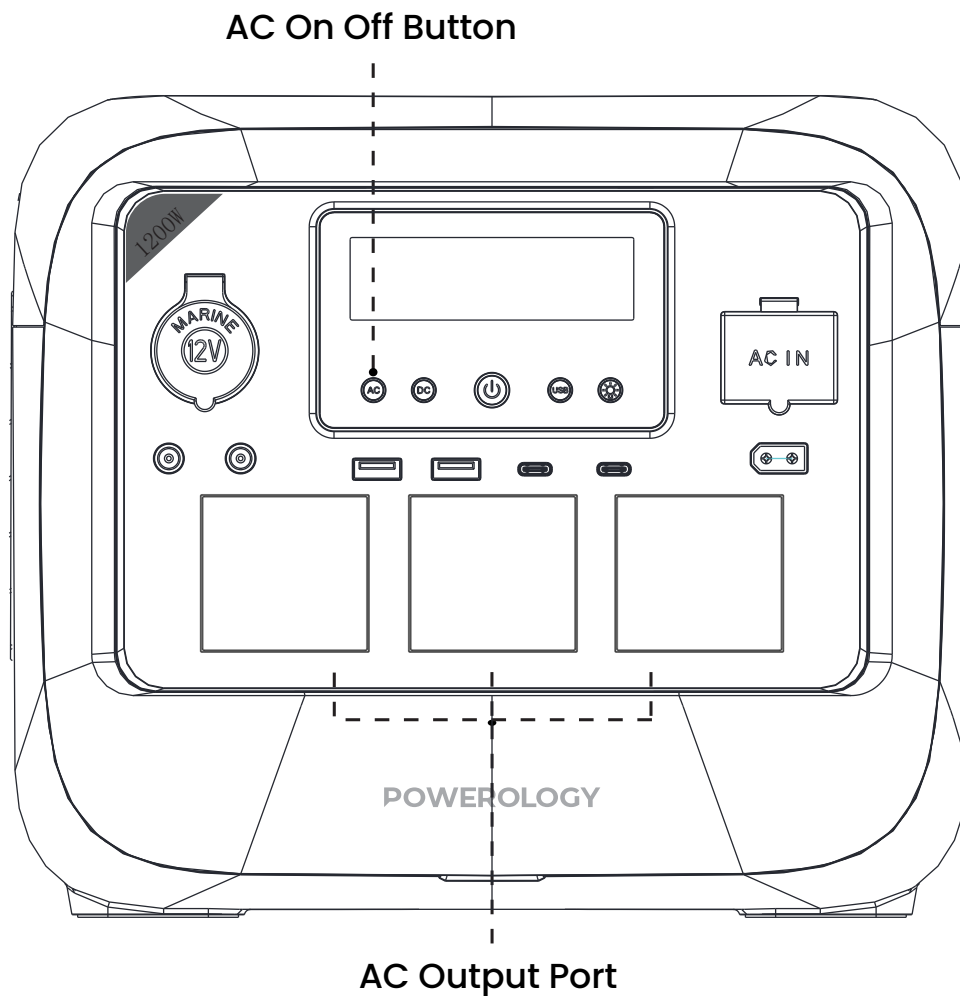
Wireless Charging

1. After powering on the product, briefly press the "DC On/Off Button" to activate the DC output function. The DC 12V icon and DC output power icon will appear on the display.
2. Place your digital device in the center of the product to charge it wirelessly, with a maximum output of 15W.



AC Output

1. After turning on the product, press the "AC On/Off Button" briefly to activate the AC output function. The AC output power icon and AC frequency icon will be displayed.
2. Connect the device requiring power into the AC output port. The corresponding power value will be displayed.



Charging the Power Station

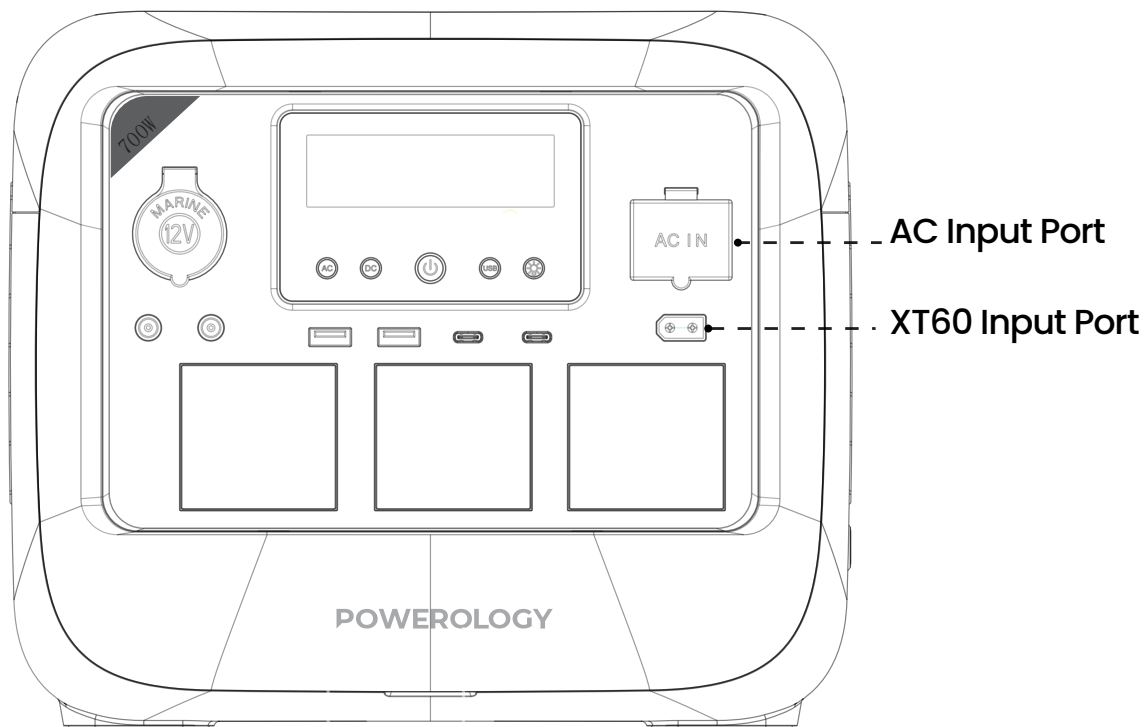
1. Charging through the AC Input Port

1.1 To charge this product, use the provided AC power cord to connect to the AC input port and plug it into the mains. The maximum charging power is 1000W. The display will show the current charging power, and the fan will start, displaying the fan icon.

1.2 During charging, double-click the AC button to switch to silent charging mode, with a charging power of approximately 200W. In this mode, the fan noise will be minimal.

2. Charging through the XT60 Input Port

2.1 This device is equipped with an XT60 solar input port that supports charging from 12V to 60V, with a maximum input of 350W.



Specifications

Model	PWGC1200
Battery Capacity	945Wh
Voltage	230V
Frequency	50Hz
MPPT Solar Input	350W max (12-60V)
AC Input	1000W
AC Output	1200W Rated Power - 2400W Peak Power
USB-A Output	5V/3A, 9V/2A, 12V/1.5A, 18W
USB-A2 Output	5V/3A, 15W Max
USB-C1 Output	5-15V/3A, 20V/5A, PD100W Max
USB-C2 Output	5V/2A
Wireless Output	5W, 7.5W, 10W, 15W
Car Port Output	12V/10A, 120W Max
x5521 2 DC Output	12V/10A
Uninterruptible Power Supply	1000W max, 20ms Response Time
LED Light	4W LED Light, with SOS Function
Operating Temperature	-10°C to 50°C (Discharge), 0°C to 40°C (Charge)
Weight	11kg
Product Dimension	200 × 266 x 222mm



Troubleshooting

Error Code	Description	Instructions
E01	DC Overload/Short Circuit	Resolve the overload, then press the DC button briefly to clear the error code.
E02	DC Output Over-Temperature	The error code will be cleared automatically once the temperature returns to normal.
E03	AC Overload/Short Circuit	Resolve the overload/short circuit, then press the AC button briefly to clear the error code.
E04	AC Output Over-Temperature	The error code will be cleared automatically once the temperature returns to normal.
E07	PD Overload/Short Circuit	Resolve the short circuit/overload, then press the USB button briefly to clear the error code.
E08	USB Overload/Short Circuit	Resolve the short circuit/overload, then press the USB button briefly to clear the error code.
E09	MPPT Charging/Over-Voltage	The error code will be cleared automatically once the voltage returns to normal.
E010	MPPT Charging/Under-Voltage	The error code will be cleared automatically once the voltage returns to normal.
E011	AC Charging Over-Voltage	The error code will be cleared automatically once the voltage returns to normal.
E12	AC Charging Under-Voltage	The error code will be cleared automatically once the voltage returns to normal.
E13	Battery Over-Temperature	The error code will be cleared automatically once the temperature returns to normal.
E14	Battery Under-Temperature	The error code will be cleared automatically once the temperature returns to normal.
E25	MPPT Over-Temperature	The error code will be cleared automatically once the temperature returns to normal.

FAQs

Q1: Will the product shut down automatically when idle?

A1: Yes. After the product is powered on, it will automatically enter sleep mode and shut down after 3 minutes if no outputs are activated. If any output is activated, the product will shut down after 4 hours without output power. To cancel this auto-shutdown function for a single session, press and hold the AC + Power On/Off button for 5 seconds.

Q2: Does the product support screen-off operation?

A2: Yes, it supports screen-off operation. To turn off the screen, double-click the "Power On/Off Button," then click again to turn it back on.

Q3: Does the product support charging and discharging simultaneously?

A3: Yes, the product supports charging and discharging at the same time. When charging via AC, the AC output functions as a bypass.

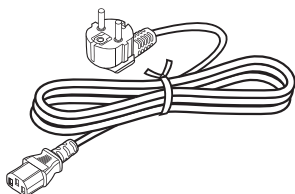
Q4: Does the product support simultaneous AC and DC charging?

A4: Yes, it supports simultaneous charging from both AC and DC sources. When charging both simultaneously, the AC power output is fixed at 150W.

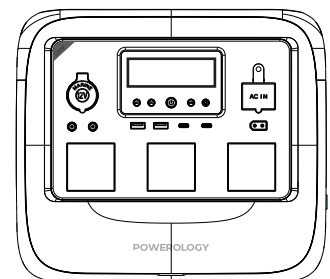
Q5: How does the fan operate?

A5: The fan automatically adjusts its speed based on the internal temperature and the charging/discharging power. No manual operation is required to activate the fan.

Package Contents



AC Power Cord



Portable Power Station

Warning

- 1.** When not in use for extended periods, it is recommended to maintain a certain level of battery charge and recharge the product at least once every three months.
- 2.** Slight heating of the device during use or charging is normal and not indicative of a malfunction.
- 3.** It is advised to use the product in a normal temperature environment and keep it away from dampness, high temperatures, and ignition sources.
- 4.** Store the product in a dry place, away from dampness and corrosive materials.
- 5.** Avoid cleaning the product with harsh chemicals, such as soap or cleaning agents.
- 6.** If you notice battery swelling, leakage, or an unusual odor, stop using the product immediately.
- 7.** Be cautious to prevent the product from falling during use.
- 8.** Keep the product out of reach of children and pets. If children need to use the portable power station, parents should operate it according to the user manual.
- 9.** Do not dispose of or burn the used portable power station indiscriminately. Please protect the environment.

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 **Powerology** website or shop come with a 24-month warranty.

The 24-month warranty applies to products purchased directly from our **Powerology** website or store. If **Powerology** products are bought from any of our verified retailers, then the product is eligible for only a 12-month warranty. To extend your product's warranty, visit our website **powerology.me/warranty** and fill in your details in the provided form along with an uploaded picture of the product to process your request. Once approved, you will receive a confirmation email of the extended product warranty. Upload the required information within 48 hours of purchase to be eligible for a 24-month warranty period.

For more info, please check:
powerology.me/warranty

Contact Us

If you have any questions about this Privacy Policy, please contact us at: **hey@powerology.me**

Website: **powerology.me**

Instagram: **powerology_official**

Facebook: **powerology.ME**