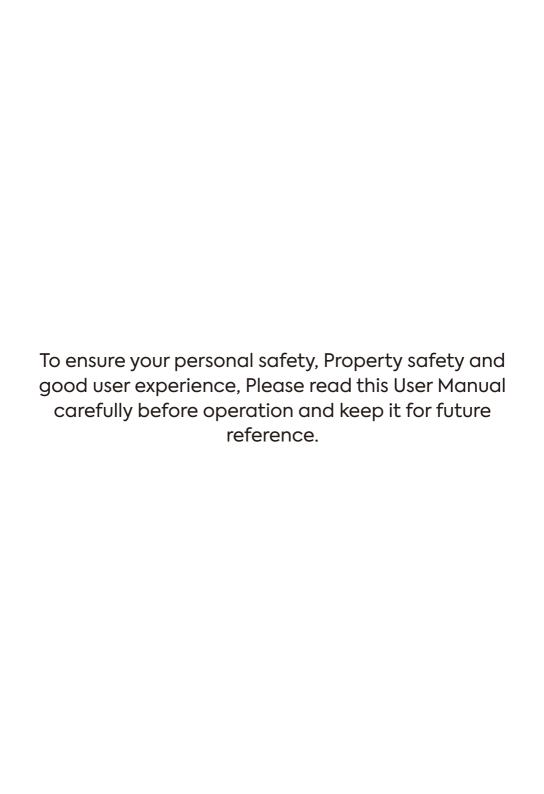
ICECO



PB1000

V 1.0

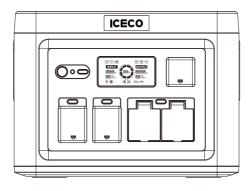
Please email us at: support@icecofreezer.com



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1 Supply Details



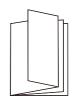
PB1000 x1



Anderson to 7909 Connecting Cable x1



Ac Charging Cable x1

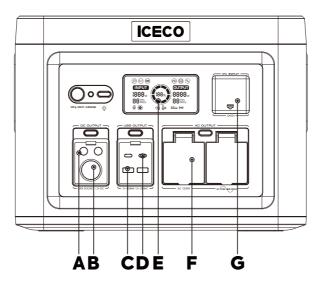


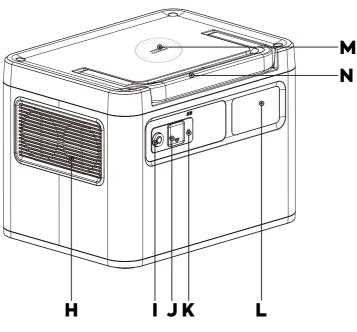
User Manual x1

MODEL	PB1000		
Battery Type	Lithium Iron Phosphate		
Rated Capacity	25.6V, 42Ah/1075.2Wh		
Net Weight	14.73 kg		
Product Size	14.2*10.3*10.5 inches		
Operating Temp	14 to 104°F (-10 to 40°C)		
Charging Temp	32 to 104°F (0 to 40°C)		
Storage Temp	-4 to 113°F (-20 to 45°C)		
INPUT			
AC Charge Input Voltage	AC 100V-130V~6.7A, 60Hz		
AC Charge Input Power	AC 800W		
Solar Charge Input	DC 12V-55V, 430W Max		
Car Charger	DC 12V/24V, 192W Max		

OUTPUT					
AC Output Voltage*2	120V~60Hz				
Rated Output Power	1200W				
Output Waveform	Pure Sine Wave				
UPS Switching Time	10ms				
Cigarette Lighter Socket Output	12V10A				
DC Output*2	12V3A (Each)				
USB-A Output*2	5V-3A/9V-2A/ 12V-1.5A/18W Max				
USB-C Output*2	5V/9V/12V/20V 3A 20V 5A/100W Max				
Wireless Charge	10W				
LED Light	3W				

2 Operation





- A DC Output x2
- B Cigarette Lighter Socket Output
- C USB-A Output x2
- D USB-C Output x2
- E LCD Screen Display
- AC Output

G PV Input

Air Intake Vent with Cooling Fan

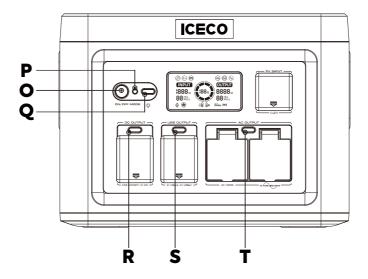
OLP Reset

- J AC Input
- K Grounding Port
- LED Light
- M Wireless Charge
- N Folding Handle



Reminder: If the battery with low power, please charges it before use.

Button Indicator



Button "O" Power ON/OFF

Press button " ()" to turn on or turn off the equipment.

Wireless Charge

Press button "Power ON/OFF" Button to turn on the Wireless Charge.

Press button "Power ON/OFF" Button to shut down the output(s) when not in use.

Button "P" MODE

The default fast charging mode is switched on, and the power will switch to slow charging power mode by pressed button.

The slow charge is charged at one quarter of the maximum allowable power.

Button "Q" LED Light

Function is available no matter the button "Power ON/OFF" is activated or not as the following steps: press button B to turn on the LED light into the LED light mode. Thirdly, press button B back to LED light mode, then press it again, the light will be turn off.

Button "R" DC Output

Before press button "
" to turn on, please make sure the "Power ON/OFF" is ON first.

To stop output, press "
" again.

Button "S" USB Output

Before press button "
" to turn on, please make sure the "Power ON/OFF" is ON first. To stop Output, press "

" again.

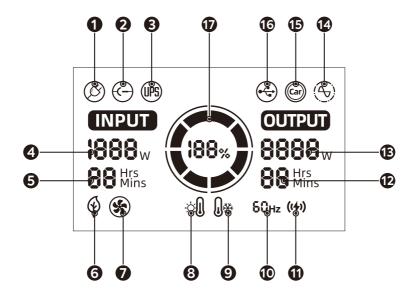


Reminder: If the battery with low power, please charges it before use.

Button "T" AC Output

Before press button "
" to turn on, please make sure the "Power ON/OFF" is ON first. To stop output, press " □" again.

4 LCD Display



- **1 AC Input :** When the AC charging cable is inserted, this label is displayed on the LCD.
- 2 DC Input: When the DC DC/SOLAR PV charging cable is inserted, this label is displayed on the LCD.
- **UPS Mode:** When the device is in the AC charging state and the AC output is turned on, the UPS mode automatically starts and this label is displayed on the LCD.

- 4 Input Power: When charging, the display displays "INPUT" and charging power.
- **5 Input Time :** When charging, the display shows full remaining time.
- **Quick Charge Switching:** When the AC chargingmode is used, the label is displayed when the charging mode is switched to slow charge.
- **7** Fan Start Cooling Status: When the fan is running, this label is displayed on the LCD.
- **8 High Temperature Alarm:** When the inverter or battery pack temperature is too high, this labelis displayed on the LCD.
- **9 Low Temperature Alarm :** When the temperature of the inverter or battery pack is too low, this label is displayed on the LCD.
- **AC Output Frequency:** When the AC switch is turned on, the display displays "OUTPUT" and the icon.

- Wireless Charge: When the wireless charge output, this label is displayed on the LCD.
- Output Time: In the output state, the screen displays the remaining output time.
- Output Power: Displays the total used power of DC output, USB-A, USB-C, and AC output.
- Note that this value can be adjusted multiple times as the energy consumption of the connected device changes. This is evident when the port is initially activated using a connected device.
- **AC Outputs:** After the AC output switch is turned on, the icon lights up and displays the total ac output power, current remaining time, and current frequency.
- When the Cigarette Lighter Socket Output is turned on, the icon lights up and shows the total power used by the DC output, the current remaining time and frequency.

- **USB Output:** When the USB output is turned on, the icon lights up and shows the total power used by the DC output, the current remaining time and frequency.
- Battery Level Indicator: Displays the current battery level in the form of energy circle + percentage. The main switch is turned on and the battery quantity is displayed. During the charging process, the energy circle is displayed dynamically.

Error Code And Solutions

Code	Description		
E01	Battery overvoltage		
E02	Battery undervoltage		
E03	Inverter overheating		
E04	Abnormal input voltage		
E05	Abnormal grid frequency		
E06	Output voltage anomaly		
E07	AC and USB outputs are overloaded or short-circuited		
E08	DC output is overloaded or short-circuited		
E09	Inverter failure		
E16	Charge overload		

E01 Error Code

Battery overvoltage

E01 Solutions

Please disconnect the charging cable and stop charging

E02 Error Code

Battery undervoltage

E02 Solutions

Please disconnect the output and charge the device

E03 Error Code

Inverter overheating

E03 Solutions

Please disconnect the output and wait 1-2 hours before operation

E04 Error Code

Abnormal input voltage

E04 Solutions

Please disconnect the charging cable

E05 Error Code

Abnormal grid frequency

E05 Solutions

Please disconnect the charging cable

E06 Error Code

Output voltage anomaly

E06 Solutions

Please contact customer service center

E07 Error Code

AC and USB outputs are overloaded or short-circuited

E07 Solutions

Please disconnect the output and check the electrical equipment

E08 Error Code

DC output is overloaded or short-circuited

E08 Solutions

Please disconnect output

E09 Error Code

Inverter failure

E09 Solutions

Please contact customer service center

E16 Error Code

Charge overload

E16 Solutions

Please disconnect the output load

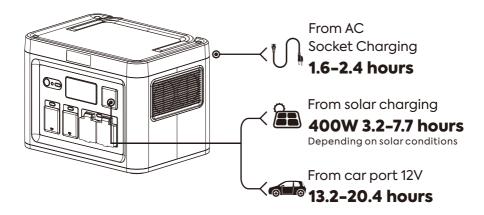


NOTE: When the DC load is abnormal, the system will automatically turn off the output and will not show the fault code. Please disconnect the output and check the electrical equipment then try again. When the USB load is abnormal, the corresponding output power will to be zero and the system will not show the fault code. Please disconnect the outputs and check the electrical equipment, then try again.

6

Charging Function Description

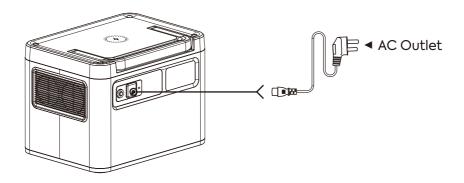
6.1 Re-Charging Time



6.2 AC Charging

to clear it.

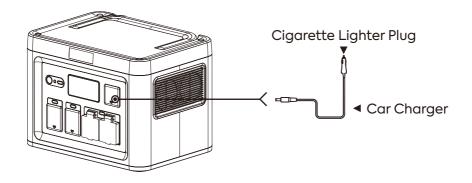
Use the AC charging cable we provided to charge the device. It takes 1.6–2.4 hours to full capacity. When LCD showing battery power reached 100%,it means that battery has been full charged and input power will turn off in minutes.



When the device is charging, if the AC input current is more than 10A, the device will be overloaded, a fault code "E16" will be showed on the LCD, the output will be shut off after 10 seconds. Please disconnect the output load then press the AC switch once

6.3 12V Car Charger

Use the car charger (need to buy separately), It takes 13.2-20.4 hours to fully charge. When the LCD shows that the battery power is 100%, it means that the battery is fully charged.



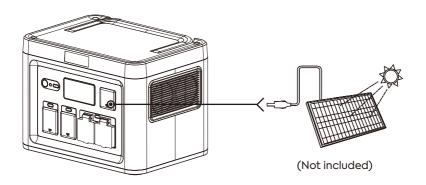
Caution: Do not charge the product with solar PV input and car port at the same time!

6.4 Solar Panel Charging

Connect your solar panels with the Anderson connecting cable we provided for solar charging.

The total open circuit voltage of solar modules after series-parallel connection should not exceed the specified voltage!

Please place as many solar panels in direct sunlight as possible. Support 120W/200W/ 300W/400W solar panel charging, the charging time is determined by the sunlight intensity



Operating Instructions

7.1 Re-charging

Use the original AC line to charge, the full charge time is about 1.6-2.4 hours. When charging, the LCD screen will be lit, the LCD display will provide real-time display data of battery charging, and the device will display 100% when it is fully charged. It is recommended to fully charge the device every 3 months to maintain the life of the device.

7.2 Power output attention

Press output switch to select the desired outlet type. The output port must press the corresponding button to activate the port. When activated, the LCD display will turn on and provide detailed information about the charging output. When no output is activated, the LCD screen will automatically turn off.

7.3 Overload Condition

If the AC and USB outputs are overloaded or short-circuited, the device will automatically turn off the output power. The code "E07" will be displayed on the LCD screen.

If the DC output is overloaded or short-circuited, the device will automatically turn off the output power. The code "E08" will be displayed on the LCD screen.

7.4 Discharging

Press the "Power on/off" button for 1 second to turn on the device. Press the "Power on/off" button for 3 seconds to turn off the device. The device uses an advanced battery management system that allows it to charge the connected device through AC or DC output or USB output.

7.5 How to switch frequency?

The device can intelligently identify the frequency of voltage when charging, and can automatically set the frequency, so please charge before using. After plugging in the charging cable, the display will show the frequency of current grid voltage if it displays "50", it is 50Hz, if it displays "60", it is 60Hz.

You can also manually set and change the voltage frequency. Before using the power station, please confirm the voltage frequency of your electrical equipment, 50 Hz or 60 Hz?

Then press the "Power on/off" button for 1 second to turn on the device. If "50" is displayed on the LCD, it means that the operating frequency of the power station is 50 Hz. If '60' is displayed on the LCD screen, it means 60 Hz.

If the frequency displayed on the LCD display does not match the frequency of the local power grid, you must change the frequency according to the following steps:

- Step 1: Press the button 'Power on/off' for 3 seconds to power off (the LCD display screen will turn off).
- Step 2: Keep pressing the button 'AC on /off' with your right finger first and then press the button 'Power on/off' for 1 second with your left finger, then release the both fingers off the buttons. You will see the frequency.

7.6 Cooling Fan

The equipment is designed with an internal cooling fan to ensure that the product runs within the proper temperature range. When the device experiences a high output load, It will automatically turn on the fan. During discharging and charging, the fan may run Intermittently to keep the internal temperature within the operating range. When the AC circuit is activated, the fan is likely to start to ensure normal operation.

7.7 Power Saving Sleep Mode

- 1 No charging (AC input + PV), no discharging (DC + USB + AC). When charging is not connected and only the main switch is turned on: sleep after 5 minutes.
- **2** Any charging is connected (regardless of whether there is power), and it does not sleep.

7.8 Power Saving Sleep Mode

- 1 No charging (AC input + PV), no discharging (DC + USB + AC). When charging is not connected and only the main switch is turned on: sleep after 5 minutes.
- 2 Any charging is connected (regardless of whether there is power), and it does not sleep.
- **3** USB <5W, DC <5W, AC <25W, three conditions are met at the same time, and sleep after a delay of 8 hours.
- The self-consumption of whole machine is less than 5mA after shutting down all switch and sleeping;
- 5 Please turn off the main power switch during transportation or it will not be used for a long time. Self-consumption after switching off is less than or equal to 200μA.

7.9 Equipment Cleaning

Please make sure that the device is disconnected from all input power and output devices. Wipe with a clean, dry, non-soft cotton cloth. Remove all any foreign objects, dirt or other obstructions on the vents on both sides. While cleaning foreign objects in the side vents, do not allow debris, dirt or other blockage to enters the equipment.

Do not use corrosive cleaners or solvents.

Do not use compressed air to clean the side cooling vents, as it will cause foreign particles to enter the interior and cause a short circuit.



Note: To avoid the risk of electric shock, do not use metal objects to clean the ports.

7.10 Storage

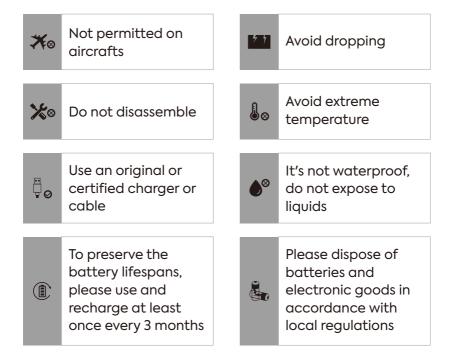
If it will be stored for more than 1 month, please charge it to 50% capacity and keep it indoors, at normal temperature, and the maximum storage time shall not exceed 6 months. Please keep it away from direct sunlight.

Excessive temperature will lead to reduced service life, overheating and fire. Extremely cold conditions below the specified storage range can also impair the performance and service life of the equipment. Please keep away from corrosive chemicals and gases.

After taking it out of storage, perform a visual inspection to ensure that the appearance of the equipment and all accessories are qualified. Check the vents on the intake and exhaust sides to make sure they are free of foreign objects.

8

Transport Instructions For Dangerous Goods





🚺 The PB1000 power station meets all legal requirements for the transportation of dangerous goods. The capacity of the lithium battery pack exceeds 100Wh. According to international standards, if the power station is transported by air, it must be transported in accordance with IATA standard packaging. The instructions and labeling requirements of the International Air Transport Association and related declarations must be completed.

Trouble Shooting

9.1 The Device Does Not Discharge

- 1 Check whether the connecting wire has been inserted in right place;
- 2 Check whether the total output power exceeds the rated output power;
- **3** Check whether the temperature of the equipment is too high.

9.2 The Device Is Not Charging

- 1 Confirm that the AC socket on the wall and the AC charging cable are fully inserted into the AC input terminal;
- The device cannot be charged immediately after it is discharged. Please put it aside for an hour and try again, because it may enter the over -temperature protection.

10 Product Maintenance

10.1 Maintenance

Check as needed. If the PB1000 power station cannot working regularly, please charge and discharge it every 3 months under normal temperature to keep the service life. Regularly check all ports and wall chargers for any debris, dirt, damage, and corrosion.

Do not disassemble the device privately.

Do not cover the equipment with towels, clothes or other items. Regularly observe the side vents for dust and foreign matter, and clean them according to the cleaning procedures specified in the manual.

10.2 Disposal/Recycling



Do not put the device and its accessories in the trash can.
Items must be properly handled in accordance with local laws and regulations. For additional information, please see www.epa.gov.

10.3 Affirm

Copyrighted equipment. We all rights reserved. All trademarks cited here are the property of their respective owners. The information contained in this agreement is subject to change without notice. The we is not responsible for technical or editorial errors or omissions contained in this agreement. First Edition: January 2023

11 Warranty

We assure the original purchaser that our products are free of defects in workmanship and materials during the applicable warranty period determined in the "Warranty Period" section below, but the exclusions set below is excluded.

This warranty statement sets total and exclusive obligations of us. We will not assume, nor authorize any person to assume for us any other liability related to the sale of our products.

11.1 Warranty

The warranty is 12 months, and the warranty period is calculated by the original consumer purchaser from the date of purchase. In order to determine the start date of the warranty period, a sales receipt from the first consumer purchase or other reasonable documentary proof is required.

11.2 Warranty

We will repair or replace any products that cannot be operated due to defects in workmanship or materials within the applicable warranty period. If a valid claim is filed within the applicable period, we can choose:

- (1) Replacement product.
- (2) It can be exchanged with products of equal value. The replacement product bears the remaining warranty period of the original product or replaces it (90) days from the date of warranty, whichever is greater. The customer is responsible for the shipping cost of the return.

11.3 Exclusions

The warranty of PB1000 does not apply to 1) any product that is modified, misused, abused, damaged by accident, or used for anything other than normal consumer use as authorized in current product literature or 2) any product purchased through an online auction house. The warranty of PB1000 does not apply to the battery cell unless the battery cell is fully charged by you within seven days after your purchase the product and at least every 6 months thereafter.

11.4 After-sales Service

For after-sales maintenance service, please contact our customer service team: support@icecofreezer.com

Due to constant technology update, product specifications and configuration changes, please refer to the actual product.

FCC warning:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 the receiver is connected.
- -Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposurerequirement.

The device can be used in portable exposure condition without restriction.

FCC ID: 2BDN7PB1000V1000

ICECO Cooler Than A Cooler