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封底

封面

143

210



Certificate

Inspector: _____

QC: _____

Just Power On

AC70
Portable Power Station
User Manual

Please read this manual carefully before using the product. It contains important information about the product's features, safety, and maintenance.



说明书示意图



样品承认书要求:

- 01、封面 (供应商&我司承认会签)
- 02、图纸/规格
- 03、尺寸报告
- 04、包装说明
- 05、试验报告 (如纸张, 胶水, 装订环保证明等)
- 06、材质分解表 (如纸张纸的克重品牌, 材质克重和胶水品牌型号等)
- 07、材质证明、MSDS (如有第三方正式机构的证明也附上)
- 08、IQC检验报告

页数共32P

技术要求:

成品尺寸:A5(143*210mm)

材质:80g书写纸封面封底内页, 双面印刷, 装订;

颜色:单黑印刷;

所用材质需符合RoHS;

注:印刷需清晰, 不能有模糊, 脏污, 脱墨, 花点, 重影, 印歪, 纸张不平整等不良。

深圳市德兰明海科技有限公司 Shenzhen PowerOak Newener Co., ltd				
材 料			表面处理	无特殊说明, 长度单位: mm 未标注尺寸公差按: x. (没有小数位) ±0.2 x.x (一位小数位) ±0.1 x.xx (两位小数位) ±0.05 x° (角度) ±0.5° * 一重要尺寸 0—参照尺寸
型 号	AC70	比例: 1: 1 /A4	图纸编号/版本 PR010-6d01A1	
名 称	中文说明书 (美规BLUETTI)			
设 计	审 核		批 准	物料编号
杨振华 2023.08.02				17.0303.0600-01
共 张/ 第 张				

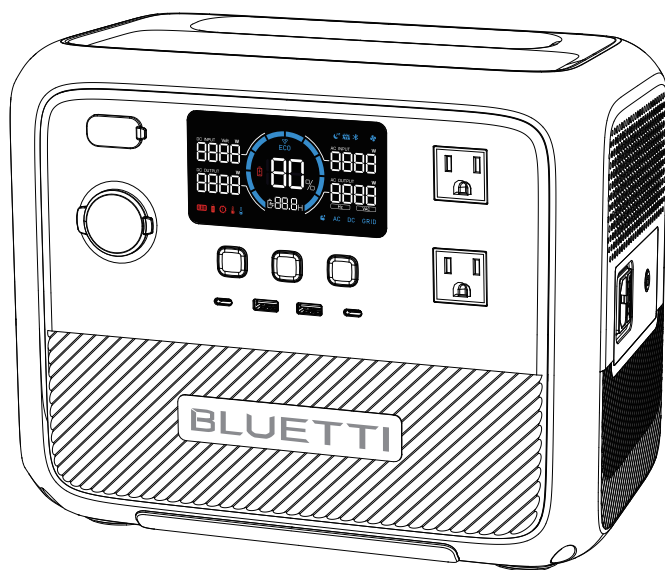
AC70

Portable Power Station

User Manual

Please Read This Manual Before Use And Follow Its Guidance.
Keep This Manual For Future Reference.





Warning

1. Charge the unit before first use.
2. Do not use solar panels with open circuit voltage higher than 58V. Solar input voltage range for the unit is 12V-58VDC.
3. Charge the unit immediately when the SoC drops below 5%. If the SoC drops to 0, power off the unit and charge it for at least 30 minutes before restarting.
4. The unit is for off-grid use only. Do not connect its AC output to the grid.
5. If not used for more than 3 months, charge the unit to 40%-60% SoC and store it with the power off. For optimum battery life, discharge and charge the unit every 3 months.

Thank You

Thank you for making BLUETTI a part of your family.

From the very beginning, BLUETTI has tried to stay true to a sustainable future through green energy storage solutions while delivering an exceptional eco-friendly experience for our homes and our world.

That's why BLUETTI makes its presence in 100+ countries and is trusted by millions of customers across the globe.



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The contents of this manual are subject to change without notice. Please get the latest version from: <https://www.bluettipower.com/pages/user-guides>

If you have any questions or concerns about this manual, please contact BLUETTI support for further assistance.

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1. Safety Instructions

Read this manual for instructions on the proper use and safety information for the product. The safety instructions provided herein are for illustrative purposes that include but are not limited to those listed in this manual. Actual operation shall comply with all applicable safety standards. If you have any questions, feel free to contact BLUETTI support or your local BLUETTI dealers.

1.1 Statement

To ensure a safe operation, it's crucial to observe and adhere to the following conditions:

- Always operate or store the product in the conditions specified in this manual.
- Avoid unauthorized disassembly, component replacement, or modification of software codes.

 *BLUETTI shall not be liable for damages resulting from the following circumstances:*

- Force majeure events such as earthquakes, fires, storms, floods, or mudslides.
- Damage caused by the customer's own transportation.
- Damage resulting from inadequate storage conditions as specified in the manual.
- Damage caused by customer negligence, improper operation, or intentional actions.
- System or hardware damage caused by third parties or customers, including but not limited to improper handling and installation not in accordance with the instructions in this manual.
- Usage of the product with devices that require a high-performance Uninterruptible Power Supply (UPS), including but not limited to data servers, workstations, medical equipment, and other similar devices.

1.2 General Requirements

INSTRUCTIONS PERTAINING TO RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS IMPORTANT SAFETY INSTRUCTIONS

WARNING - When using this product, basic precautions should always be followed, including the following:

- a. Read all the instructions before using the product.
- b. To reduce the risk of injury, close supervision is necessary when the product is used near children.
- c. Do not put fingers or hands into the product. And do not insert foreign objects into any ports of the product.
- d. Use of an attachment not recommended or sold by the manufacturer may result in a risk of fire, electric shock, or injury to persons.
- e. To reduce the risk of damage to the electric plug and cord, pull the plug rather than

the cord when disconnecting the product.

f. Do not use a battery pack or appliance that is damaged or modified, as they may exhibit unpredictable behavior resulting in fire, explosion, or personal injury.

g. Do not operate the product with a damaged cord or plug, or a damaged output cable.

h. DO NOT attempt to replace the internal battery or any other component of the product by anyone other than authorized personnel. There are no end-user serviceable components. Do not disassemble the product, take it to a qualified service person when service or repair is required. Incorrect reassembly may result in a risk of fire or electric shock.

i. To reduce the risk of electric shock, unplug the product from the outlet before attempting any instructed servicing.

j. WARNING - RISK OF EXPLOSIVE GASES. To reduce the risk of battery explosion, follow these instructions and those published by the battery manufacturer and manufacturer of any equipment you intend to use in the vicinity of the battery. Review cautionary markings on these products and engines.

k. PERSONAL PRECAUTIONS

1) Wear complete eye protection and clothing protection. Avoid touching eyes while working near the battery.

2) NEVER smoke or allow a spark or flame in the vicinity of the battery or engine.

3) Be extra cautious to reduce the risk of dropping a metal tool onto the battery. It might spark or short-circuit the battery or other electrical parts which may cause an explosion.

l. When charging the internal battery, work in a well ventilated area and do not restrict ventilation in any way.

m. Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

n. Do not expose the product to fire or excessive temperature. Exposure to fire or temperature above 130°C may cause an explosion.

o. Have servicing performed by a qualified repair person using only identical replacement parts. This will ensure that safety is maintained.

p. DO NOT operate in wet conditions. If the product becomes wet, please thoroughly dry it before using.

q. Please ensure proper ventilation while in use and do not obstruct fan openings. Inadequate ventilation may cause permanent damage to the product.

r. DO NOT stack anything on top of the product while in storage or use. DO NOT move the product while operating as vibrations and sudden impacts may lead to poor connections to the hardware inside.

- s. In case of fire, use only a dry powder fire extinguisher appropriate for the product.
- t. **WARNING - 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.
- u. To avoid contact with any liquids, do not use this product in the rain or high humidity.

1.3 Grounding Instructions

This product must be grounded. If it should malfunction or break down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a cord having an equipment-grounding conductor and a 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. Check with a qualified electrician if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided with the product - if it does not fit the outlet, have a proper outlet installed by a qualified electrician.

1.4 Storage Instructions

- a. When the SoC drops to 5%, please charge the product immediately.
- b. Before storing the product, charge it to 40% to 60% SoC to keep it in optimal condition. In addition, power off the unit and disconnect all electrical connections from it.
- c. Store the product in a cool and dry place, keeping it away from flammable or combustible materials and gases.
- d. The product can be safely stored within a temperature range of -20°C to 40°C (-4°F to 104°F). However, if the storage duration exceeds one month, it's recommended to maintain an ideal storage temperature of around 30 °C (86°F).
- e. Fully cycle the product every 3 months to maintain the battery's health. It's NOT recommended to store the unit for extended periods of time, as it may affect its performance and overall lifespan.

If the SoC drops to 0 (during storage or upon startup), take the following actions to safely restart the product:

- Shut down immediately.
- Charge within 48 hours.
- Keep it at an ambient temperature of 5°C to 35°C (41°F to 95°F) for 24 hours before charging. It's recommended to charge the product via an AC source. If charging via solar energy, ensure that your solar system provides an output of more than 100W.

 *BLUETTI shall not be liable for any equipment damage caused by the violation of the above instructions.*

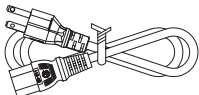
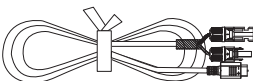
SAVE THESE INSTRUCTIONS

  The symbol displayed is intended to remind you to read the instructions in the literature accompanying the product before operation and maintenance.

- Connect the product to a socket-outlet that has an earthing connection using the power cord provided.
- The socket-outlet should be installed near the product and easily accessible for safety purposes.
- NEVER dispose of a battery by throwing it into fire or a hot oven, or by mechanically crushing or cutting it, as these may cause it to explode.
- Avoid leaving batteries in extremely high-temperature environments, as this can result in an explosion or the leakage of flammable liquid or gas.
- The battery subjected to extremely low air pressure may result in an explosion or the leakage of flammable liquid or gas.
- Attention should be drawn to the environmental aspects of battery disposal.
- Please refer to the information on the exterior bottom enclosure for electrical and safety information before installing or operating the apparatus.

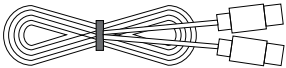
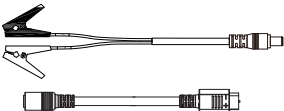
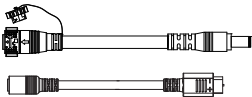
2. Packing List

Standard Packaging

Item	Picture	Qty.
Portable Power Station		1
AC Charging Cable		1
Car Charging Cable		1
Solar Charging Cable		1
Grounding Screw (M5×10)		1
User Manual		1

Optional Accessories

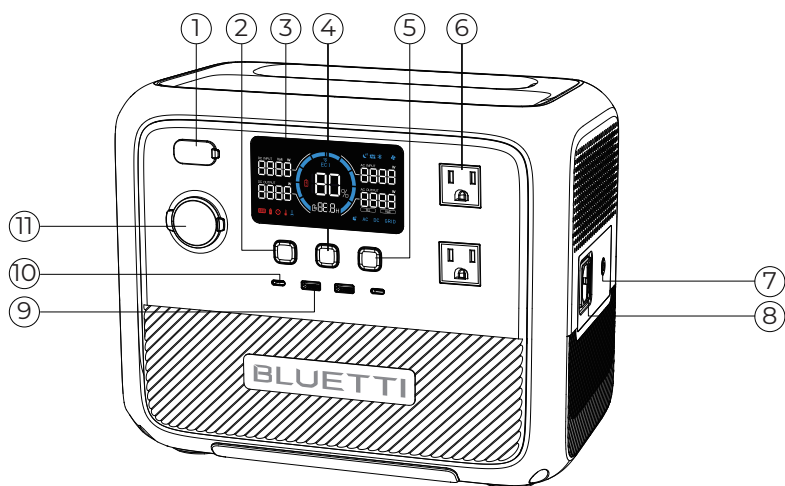
(Available on official BLUETTI website)

Item	Picture
USB-C to USB-C Cable (Output)	
Cigarette Lighter to DC5521 Cable (For 12V devices with DC5521 port, such as routers, cameras, etc.)	
Lead-acid Battery Charger (Charge a 12V/10A lead-acid battery via AC70. For gasoline vehicle batteries only.)	
Lead-acid Battery Charging Cable Kit (Charge the AC70 via a lead-acid battery.)	
Battery Connection Cable Kit (Charge the AC70 via an expansion battery in Power Bank mode.)	

3. Product Overview

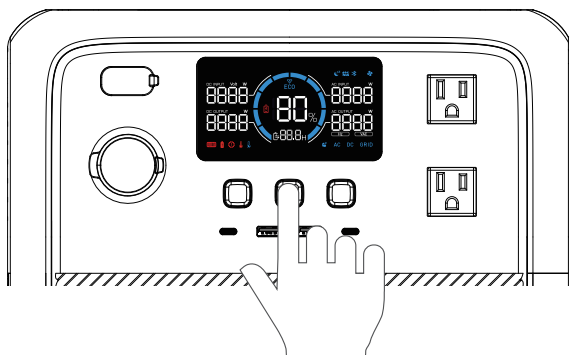
Meet the AC70 portable power station - the ultimate companion for your travel and adventure needs. With a 1000W pure sine wave inverter and 768Wh LiFePO₄ battery, it offers ample power for all your outing gadgets like phones, laptops, car refrigerators, and air conditioners. When you require even more power, it boasts the innovative Power Lifting mode to tackle higher resistive demands of up to 2000W, perfect for hairdryers, kettles, and other heating appliances. Thanks to Turbo Charging technology, you can enjoy the convenience of an 80% charge in just 45 minutes, and a full charge in 1.5 hours.

Whether you're embarking on outdoor adventures, road trips, or camping trips with friends, the AC70 is built to accompany you every step of the way. So, go ahead and embrace your travel plans with confidence, knowing that the AC70 will provide reliable power whenever you need it.



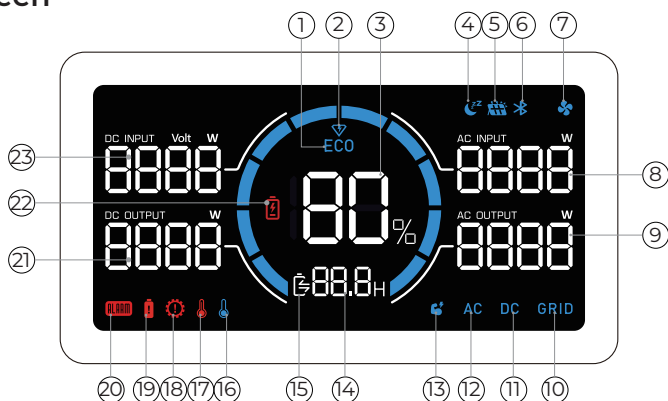
- | | |
|-------------------|--------------------------|
| ① DC Input | ⑦ Grounding Pole |
| ② DC Power Button | ⑧ AC Input |
| ③ LCD Screen | ⑨ USB-A Port |
| ④ Power Button | ⑩ USB-C Port |
| ⑤ AC Power Button | ⑪ Cigarette Lighter Port |
| ⑥ AC Output | |

4. Power ON/OFF



- **Power ON:** Press and hold the  for about 2 seconds to turn AC70 on.
When the AC70 is on, press the  again to turn on / off the LCD screen.
- **Power OFF:** Press and hold the  for 2 seconds to turn off the unit.
- **AC ON / OFF:** When the AC70 is on, press the AC power button to turn it on / off.
- **DC ON / OFF:** When the AC70 is on, press the DC power button to turn it on / off.

5. LCD Screen



- | | | |
|--------------------------|-------------------------------------|--------------------------|
| ① ECO Mode | ⑨ AC Output Power | ⑰ High Temperature Alert |
| ② Turbo Charging | ⑩ Grid Connection | ⑱ Overload Alert |
| ③ Battery Capacity (SoC) | ⑪ DC Output | ⑲ Overcurrent Alert |
| ④ Silent Charging | ⑫ AC Output | ⑳ Fault Alert |
| ⑤ DC Input | ⑬ Power Lifting Mode | ㉑ DC Output Power |
| ⑥ Bluetooth Connection | ⑭ Charge / Discharge Remaining Time | ㉒ Low Voltage Alert |
| ⑦ Fan | ⑮ Charge / Discharge Status | ㉓ DC Input Power |
| ⑧ AC Input Power | ⑯ Low Temperature Alert | |

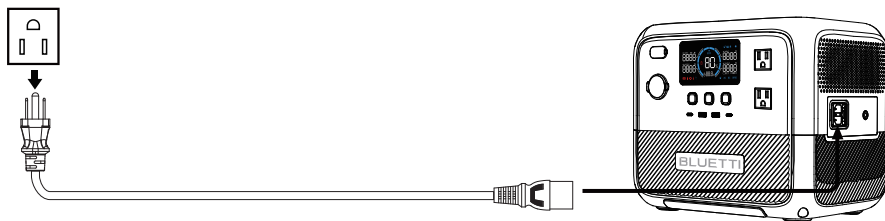
LCD Instructions	
Startup	LCD lights up
Shutdown	LCD lights off
ECO Mode enabled	 displays
Turbo Charging enabled	 displays
State of Charge	
Silent Charging enabled	 displays
DC input	 displays
Bluetooth connected	 displays
Fan on or abnormal	 displays or flashes
AC input power	
AC output power	
AC input	 displays
DC output enabled	 displays
AC output enabled	 displays
Power Lifting Mode enabled	 displays
Remaining charge / discharge time (hour)	
Charging or discharging	 displays
Abnormal temperature	 displays
Connected device(s) overheating	 displays
Overload	 displays
Overcurrent	 displays
Error code report	 displays
DC output power	
Battery low (below 5%)	 displays
DC input power	

6. Charging

AC70 supports four charging methods: AC, solar, car, and generator.

6.1 AC Charging

Plug the AC70 into a standard wall outlet and start charging. Once it's fully charged, the AC70 automatically stops charging to prevent overcharging. For a fast charge, you can enable Turbo Charging in the BLUETTI App, which allows for an 80% capacity in just 45 minutes at an ambient temperature of 25°C (77 °F).

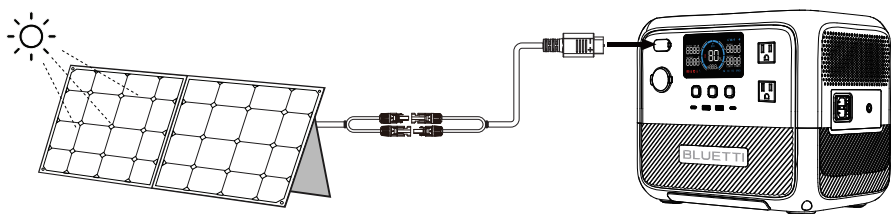


6.2 Solar Charging

Connect the solar panels (in series or parallel) to AC70 via the solar charging cable. When receiving a continuous input of 500W, the AC70 will automatically stop charging within 2 hours. However, please be aware that the charging time may vary based on weather conditions, sunlight intensity, panel orientation, and other variables.

Note: Make sure your solar panels meet the following requirements:

Voc: 12V-58V Current: 10A Max. Power: 500W Max.

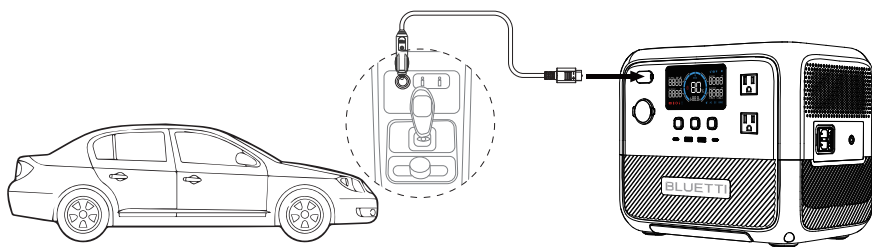


6.3 Car Charging

Connect the AC70 to the vehicle's 12V / 24V cigarette lighter port via the car charging cable. The AC70 also automatically stops charging when it's fully charged. On average, it takes about 7-9 hours to refill the AC70 using a 12V port and 4-5 hours with a 24V port at an ambient temperature of 25°C (77 °F).

Note: Make sure your vehicle meets the following conditions for charging:

- The vehicle is capable of supplying power.
- The vehicle's engine is running during the charging process.

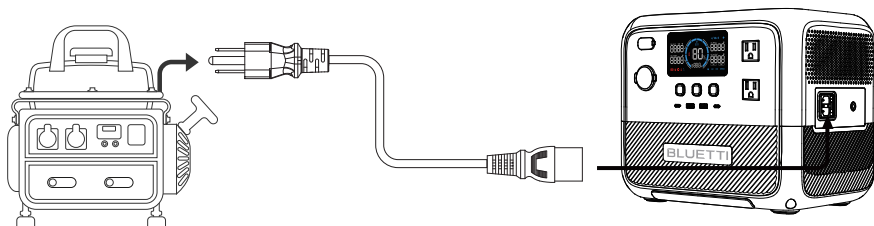


6.4 Generator Charging

Connect the AC70 to a generator via the AC charging cable. Under optimal conditions, it takes approximately 2 hours to reach a full charge at an ambient temperature of 25°C (77 °F).

Note: Make sure your generator meets the following conditions for charging:

- The generator boasts a stable power output that exceeds the charging requirement of the AC70.
- The generator delivers a pure sine wave AC output with voltage and frequency that meet AC70's specifications.



⚠ For stable and efficient charging, avoid using unreliable power sources like wind turbines. Also, it's not recommended to run your devices with AC70 while it's charging with a generator.

7. Discharging

7.1 AC Discharging

Item	Specifications	Compatible Loads
2 × AC Outlet	120V 50Hz / 60Hz	Appliances up to 1000W power. e.g., air conditioners, refrigerators

Note: Do not apply AC70 to loads higher than 1000W, as this may cause damage to AC70 and your devices.

7.2 DC Discharging

Item	Specifications	Compatible Loads
Cigarette Lighter Port	12V / 10A	12V DC appliances up to 120W power. e.g., car refrigerator, air conditioner
2 × USB-A Port	5V / 2.4A	Mobile phones and other small loads.
2 × USB-C Port	5 / 9 / 12 / 15 / 20V, 3A; 20V, 5A	Mobile phones, laptops, etc.

Note: To ensure optimal performance, avoid short-circuiting the ports and keep them dry during use or storage. Additionally, do not block or cover the ports while ensuring proper ventilation.

8. Settings

The AC70 offers the convenience of adjusting its settings either via physical buttons or BLUETTI App. With the buttons located on the device itself, you have direct control over various settings such as ECO Mode, output frequency, charging modes, and other functionalities. Additionally, by using the BLUETTI App, you can access a user-friendly interface on your phone to conveniently monitor and control the AC70.

8.1 Setting Mode

When the screen is on and the AC output is off, press and hold the AC and DC power buttons for about 2 seconds till the frequency indicator flashes to enter Setting Mode.

Press and hold the AC and DC power buttons at the same time to exit Setting Mode.

Note: If you do not perform any operation in 1 minute, the AC70 will automatically exit Setting Mode and no changes will be saved.

8.2 ECO Mode

ECO Mode is a power-saving mode that is enabled by default. When operating on ECO Mode, the AC / DC output will automatically turn off if the AC70 is bearing low (less than 40W or the set power) or no load for a while.

Note: When connecting a small power device, disable the ECO Mode for a successful and uninterrupted charge experience.
In the Setting Mode, press the DC power button to enable or disable the ECO Mode. You'll see the **ECO** icon displayed on the screen when it's enabled.

8.3 Frequency Switching

The current output frequency (50Hz / 60Hz) is displayed in the lower right corner of the screen. In the Setting Mode, press the AC power button to switch the frequency options based on your requirements.

8.4 Power Lifting Mode

Power Lifting Mode allows AC70 to handle high-power resistive loads up to 2000W, which is disabled by default. In the Setting Mode, press and hold the AC power button to enable or disable it. You'll see the  icon displays on the screen when it's enabled.

This mode is particularly useful when using the AC70 with demanding heating devices such as kettles, electric blankets, and hairdryers. If the screen reads "OVERLOAD" while operating such devices, activating Power Lifting mode allows the AC70 to tackle these tasks effectively.

Note: The resistive loads should have a power rating between 1000W and 2000W. Although the AC70 can handle higher power demands, its actual operating power remains at 1000W.

8.5 AC Charging Mode

The AC70 supports 3 AC charging modes - Standard, Turbo, and Silent to fit your specific needs. In the Setting Mode, press the  button to switch the options. Please refer to the below table for useful instructions.

AC Charging Mode Instructions

Mode	Recharging Time	Note
Standard	2 hours	More friendly to AC70's battery.
Turbo	80% charge in 45 minutes; full charge in 1.5 hours	Comes in handy when recharging time is a priority.
Silent	4 hours	Offers a quiet, low-power operation for long battery life.

9. BLUETTI App

Scan the QR code below or search "BLUETTI" in the App Store or Google Play to download the BLUETTI App.



For more details, please refer to BLUETTI APP INSTRUCTIONS.

10. Specifications

Model	AC70			
Country / Region	JP	US	CN	EU / UK / AU
Battery Capacity	768Wh / 24Ah			
Cell Type	LiFePO ₄			
AC + DC Input	1000W Max.			
Net Weight	10.2kg / 22.5lbs			
Dimensions (L*W*H)	314mm × 209.5mm × 255.8mm / 12.4in × 8.2in × 10.1in			
Charging Temperature	0°C-40°C / 32°F-104°F			
Discharging Temperature	-20°C-40°C / -4°F-104°F			
Storage Temperature	-20°C-40°C /-4°F-104°F			
Working Humidity	10%-90%			
AC Output				
Power	1000W in total			
Voltage	100VAC	120VAC	220VAC	230VAC
Current	10A	8.3A	4.5A	4.3A
Frequency	50Hz / 60Hz			
DC Output				
Cigarette Lighter Port	12VDC / 10A			
USB-A *2	5VDC / 2.4A			
USB-C *2	5 / 9 / 12 / 15 / 20VDC, 3A; 20VDC, 5A			

AC Input				
Voltage	100VAC	120VAC	220VAC	230VAC
Max. Current	9A	9A	6A	6A
Frequency	50Hz / 60Hz			
UPS	Switching time ≤20ms			
Power	850W Max. (0%-80% in 45 minutes @ 10°C-40°C / 50°F-104°F)			
DC Input				
Interface	XT60PM-M			
Power	500W Max.			
Current	10A Max.			
Voltage	12V-58VDC			
Bluetooth 5.0 / 5.1				
Max. Transmission Frequency	125kbps			
Max. RF Transmission Power	+12dBm			
Receiver Sensitivity	-99dBm / 1Mbps			

11. Troubleshooting

In the Setting Mode, press and hold the DC power button until an error code appears on the screen. Please refer to the table below for helpful guidance.

Error Code	Error Description	Troubleshooting
E001	Inverter overload	Check if the power consumption of your devices is too high. Reduce the load if necessary.
E002	Temperature protection	Check if any of your devices are overheating. Allow them to cool down before use.
E003	Inverter short circuit	Check if any of your electrical devices are causing a short circuit. Disconnect and resolve the issue.
E004	Output failure	The output voltage is abnormal. Inspect the machine for any malfunctions or irregularities.
E016	Fan failure	Check if the fan is blocked, unplugged, or not functioning properly. Ensure proper ventilation.
E033	PV overvoltage	Make sure the PV input voltage is within the range of 12V-58VDC.
E065	Cigarette lighter output short circuit	Check if the power consumption of your devices is too high. Reduce the load if necessary.
E068	Cigarette lighter output overtemperature	Wait for the device connected to the cigarette lighter port to cool down.
E085	Charging temperature too high	Wait for the unit to cool down before charging.
E086	Charging temperature too low	Make sure the unit is placed in an ambient temperature of 0°C-40°C (32°F-104°F).
E087	Discharging temperature too high	Wait for the unit to cool down before discharging.
E088	Discharging temperature too low	Make sure the unit is placed in an ambient temperature of 0°C-40°C (32°F-104°F).
E113	Grid overvoltage	Check if the grid voltage is too high. Contact your local power provider if necessary.
E114	Grid undervoltage	Check if the grid voltage is too low. Contact your local power provider if necessary.
E115	Grid overfrequency	Check if the grid frequency is too high. Contact your local power provider if necessary.
E116	Grid underfrequency	Check if the grid frequency is too low. Contact your local power provider if necessary.
E117	Grid oscillation	Disconnect the grid input and contact BLUETTI support for further assistance.
Others	/	Please contact BLUETTI support for assistance.

Appx. 1 Estimating Operation Time

To estimate the operation time of the AC70, consider the load you're applying:

- For high-power loads (above 300W):

$$\text{Operation time} = \text{Battery Capacity (Wh)} \times \text{DoD} \times \eta \div \text{Load Power}$$

- For small-power loads (below 300W):

$$\text{Operation time} = \text{Battery Capacity (Wh)} \times \text{DoD} \times \eta \div (\text{Load Power} + \text{Self-consumption of AC70})$$

Note: DoD refers to depth of discharge. AC70 works at 90% DoD for longer battery life.

η is the conversion efficiency of the inverter, typically over 85% for AC70.

The self-consumption of AC70 is approximately 15W.

E.g. If you have a 40W refrigerator, you can run it for about 10.7 hours.

$$\text{Operation time} = 768\text{Wh} \times 90\% \times 85\% \div (40\text{W} + 15\text{W}) \approx 10.7 \text{ hours.}$$

Please keep in mind that the estimated operation time provided is for only purposes and may vary based on actual usage conditions. Factors such as low temperature and excessive loads can significantly affect the battery capacity, leading to a reduction in the average operation time.

Appx. 2 FAQs

Q1: How do I know whether my devices will work well with this product?

A: Please evaluate the total constant load of your devices. If it doesn't exceed the Max. output power of AC70 (1000W), you can use this power station to run your devices.

Note: Some devices with built-in motor or compressor may start at 2-4 times the rated power, which can easily overload the AC70.

Q2: Can I use third-party solar panels to charge this product?

A: Yes, you can. However, make sure your solar panels have an open circuit voltage of 12V-58V and are equipped with MC4 connectors. It's also important not to mix different types of solar panels.

Q3: Can it charge and discharge at the same time?

A: Yes. It supports pass-through charging. The AC70 comes with the premium LiFePO₄ battery and proprietary Battery Management System to ensure that it can charge and discharge at the same time.

Q4: What is ECO Mode and can I turn it off?

A: ECO Mode helps save power, and you can turn it on or off on the screen. When operating on ECO Mode, the AC / DC output will automatically turn off if the AC70 is bearing low or no load for a while. You can set the power threshold of AC output and DC output to 10W-30W / 5W-10W, respectively, for 1, 2, 3, or 4 hours.

Q5: Why is the charging power often too low?

A: AC70 has a built-in intelligent BMS that automatically adjusts the charging power in response to the battery temperature and SoC, thus protecting the battery and extending its service life.

Appx. 3 FCC Statement

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

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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IMPORTANT NOTE: FCC 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 20cm between the radiator & your body.

Appx. 4 IC Caution

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.

RF exposure statement: The equipment complies with IC Radiation exposure limits set forth for uncontrolled environments. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

CAN ICES-3 (B)/NMB-3(B) (Canada)

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil contient des émetteurs / récepteurs exemptés de licence conformes aux RSS (RSS) d'Innovation, Sciences et Développement économique Canada. Le fonctionnement est soumis aux deux conditions suivantes:

Cet appareil ne doit pas causer d'interférences.

Cet appareil doit accepter toutes les interférences, y compris celles susceptibles de provoquer un fonctionnement indésirable de l'appareil.

Déclaration d'exposition RF:

L'équipement est conforme à la limite d'exposition aux radiations de la IC établie pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 20cm entre le radiateur et votre corps.

Appx. 5 Consignes de sécurité

Lisez ce manuel pour savoir comment utiliser correctement le produit et connaître les consignes de sécurité correspondantes. Les exigences en matière de sécurité sont fournies à titre d'exemple et comprennent, sans s'y limiter, les exigences énumérées dans le présent manuel. Le fonctionnement réel doit être conforme à toutes les normes de sécurité applicables. Si vous avez des questions, n'hésitez pas à contacter l'équipe de support BLUETTI ou votre revendeur local.

1) Déclaration

Pour garantir un fonctionnement sûr, il est essentiel de respecter les conditions suivantes :

- Utilisez ou stockez toujours le produit dans les conditions spécifiées dans ce manuel.
- Évitez tout démontage, tout remplacement des composants ou toute modification des codes logiciels non autorisés.

 **BLUETTI n'est pas responsable des dommages résultant des circonstances suivantes :**

- Les cas de force majeure tels que les tremblements de terre, les incendies, les tempêtes, les inondations ou les coulées de boue.
- Les dommages causés par le transport du client.
- Les dommages résultant de conditions de stockage inadéquates telles que spécifiées dans le manuel.
- Les dommages causés par la négligence du client, une mauvaise utilisation ou des actions intentionnelles.
- Les dommages occasionnés au système ou au matériel par des tiers ou des clients, y compris, mais sans s'y limiter, une manipulation ou une installation non conforme aux consignes du présent manuel.
- L'utilisation du produit avec des appareils nécessitant une alimentation sans interruption (ASI) de haute performance, y compris, mais sans s'y limiter, les serveurs de données, les stations de travail, les équipements médicaux et d'autres appareils similaires.

2) Exigences générales

CONSIGNES RELATIVES AU RISQUE D'INCENDIE, D'ÉLECTROCUTION OU DE BLESSURE
CONSIGNES DE SÉCURITÉ IMPORTANTES

AVERTISSEMENT – Les précautions de base suivantes doivent toujours être prises lorsque vous utilisez ce produit :

- a. Lisez l'ensemble des consignes avant toute utilisation du produit.
- b. Pour réduire le risque de blessure, une surveillance étroite est nécessaire lorsque vous utilisez le produit à proximité d'enfants.
- c. Ne placez pas vos doigts ou vos mains à l'intérieur du produit. N'insérez pas de corps étrangers dans les ports du produit.

- d. L'utilisation d'un accessoire non recommandé ou vendu par le fabricant peut entraîner un risque d'incendie, d'électrocution ou de blessure.
- e. Pour réduire le risque d'endommagement de la fiche et du câble électriques, tirez au niveau de la fiche plutôt que sur le cordon lors du débranchement.
- f. N'utilisez pas un bloc-batterie ou un appareil endommagé ou modifié, car ils peuvent présenter un comportement imprévisible entraînant un risque d'incendie, d'explosion ou de blessure.
- g. N'utilisez pas le produit avec un câble ou une fiche endommagés, ou un câble de sortie endommagé.
- h. SEUL du personnel autorisé peut remplacer la batterie interne ou tout autre composant du produit. Aucun composant ne peut être réparé par l'utilisateur final. Ne démontez pas le produit par vous-même, adressez-vous à un technicien qualifié pour tout service de réparation ou d'entretien. Un réassemblage incorrect peut entraîner un risque d'incendie ou d'électrocution.
- i. Pour réduire le risque d'électrocution, débranchez le produit de la prise avant de procéder à toute opération d'entretien prévue dans les consignes.
- j. **AVERTISSEMENT – RISQUE DE GAZ EXPLOSIFS.** Pour réduire le risque d'explosion de la batterie, suivez ces consignes ainsi que les consignes du fabricant de la batterie et du fabricant de tout équipement que vous avez l'intention d'utiliser à proximité de la batterie. Examinez les mises en garde apposées sur ces produits et sur les moteurs.
- k. **PRÉCAUTIONS PERSONNELLES**
- 1) Protégez-vous complètement et portez des vêtements et des lunettes de protection. Évitez tout contact avec les yeux lorsque vous travaillez à proximité de la batterie.
- 2) Ne fumez JAMAIS et ne produisez JAMAIS d'étincelles ou de flammes à proximité de la batterie ou du moteur.
- 3) Travaillez avec une extrême prudence et évitez toute chute d'outil métallique sur la batterie. Cela pourrait provoquer une étincelle ou un court-circuit de la batterie ou d'autres pièces électriques, entraînant par conséquent un risque d'explosion.
- l. Lorsque vous chargez la batterie interne, travaillez dans un endroit bien ventilé et ne limitez en rien la ventilation.
- m. Dans des conditions abusives, du liquide peut être éjecté de la batterie, évitez tout contact. En cas de contact accidentel, rincez à l'eau. Si le liquide entre en contact avec les yeux, consultez immédiatement un médecin. Le liquide éjecté de la batterie peut provoquer des irritations ou des brûlures.
- n. N'exposez pas le produit au feu ou à une température excessive. L'exposition au feu ou à une température supérieure à 130 °C peut entraîner un risque d'explosion.
- o. Confiez l'entretien du produit à un réparateur qualifié qui utilisera uniquement des pièces de rechange identiques, de manière à assurer une sécurité continue.

- p. N'utilisez PAS le produit dans des conditions humides. Si le produit est mouillé, veuillez le sécher soigneusement avant de l'utiliser.
- q. Veuillez assurer une ventilation adéquate pendant l'utilisation et ne pas obstruer les ouvertures du ventilateur. Une ventilation inadéquate peut causer des dommages permanents sur le produit.
- r. NE placez RIEN sur la surface supérieure du produit lors de l'utilisation ou du stockage. NE déplacez PAS le produit pendant son fonctionnement, car les vibrations et les chocs soudains peuvent conduire à de mauvaises connexions avec le matériel à l'intérieur.
- s. En cas d'incendie, seul un extincteur à base de poudre sèche est adapté au produit.
- t. AVERTISSEMENT – RISQUE DE CHOC ÉLECTRIQUE. N'utilisez jamais le produit pour alimenter des outils électriques dans le but de couper ou d'accéder à des pièces ou des câbles sous tension, ou à des matériaux pouvant contenir des pièces ou des câbles sous tension, tels que les murs d'un bâtiment, etc.
- u. Pour éviter tout contact avec des liquides, n'utilisez pas ce produit par temps de pluie ou dans des environnements à forte humidité.

3) Consignes de mise à la terre

Ce produit doit être mis à la terre. En cas de dysfonctionnement ou de panne, la mise à la terre fournit un chemin de moindre résistance pour le courant électrique afin de réduire le risque d'électrocution. Ce produit est équipé d'un câble muni d'un conducteur de mise à la terre et d'une fiche de mise à la terre. La fiche doit être branchée dans une prise correctement installée et mise à la terre conformément à tous les codes et règlements locaux.

AVERTISSEMENT

Une mauvaise connexion du conducteur de mise à la terre de l'équipement peut entraîner un risque d'électrocution. Vérifiez auprès d'un électricien qualifié en cas de doutes quant à la mise à la terre de l'appareil. Ne modifiez pas la fiche fournie avec le produit. Si elle n'est pas adaptée à la prise, faites installer une prise adéquate par un électricien qualifié.

4) Consignes de stockage

- a. Lorsque le SoC atteint 5 %, veuillez charger le produit immédiatement.
- b. Avant de stocker le produit, veuillez le charger de manière à ce que le SoC soit compris entre 40 % et 60 % afin de préserver l'état optimal du produit. De plus, éteignez le produit et débranchez toutes les raccordements électriques de celui-ci.
- c. Stockez le produit dans un endroit frais et sec, à l'écart des matériaux et des gaz inflammables ou combustibles.

d. Le produit peut être stocké en toute sécurité à une température comprise entre -20 °C et 40 °C (entre -4 °F et 104 °F). Toutefois, si la durée de stockage dépasse un mois, il est recommandé de maintenir une température de stockage idéale d'environ 30 °C (86 °F). Afin de maintenir le produit en bon état, veuillez décharger et charger complètement l'appareil au moins une fois tous les 3 mois. Il n'est PAS recommandé de stocker l'appareil pendant des périodes prolongées, car cela peut altérer les performances et la durée de vie générale du produit.

Si le SoC chute à 0 (pendant le stockage ou au démarrage), prenez les mesures suivantes pour redémarrer le produit en toute sécurité :

- Mettez-le immédiatement hors tension.
- Chargez-le dans les 48 heures.
- Placez-le à une température ambiante comprise entre 5 °C et 35 °C (entre 41 °F et 95 °F) pendant 24 heures avant de le charger. Il est recommandé de charger le produit via une source CA. Si vous le chargez à l'aide de l'énergie solaire, assurez-vous que votre système solaire fournit une puissance supérieure à 100 W.

 *BLUETTI n'est pas responsable des dommages causés à l'équipement en raison du non-respect des consignes ci-dessus.*

CONSERVEZ CES CONSIGNES

  Le symbole représenté vous rappelle de lire les consignes figurant dans la documentation accompagnant le produit avant toute utilisation ou tout entretien.

- Branchez le produit sur une prise de courant avec mise à la terre à l'aide du câble d'alimentation fourni.
- La prise de courant doit être installée à proximité du produit et facilement accessible pour des raisons de sécurité.
- Concernant l'élimination, ne JAMAIS procéder aux actions suivantes pour cause de risque d'explosion : ne jamais placer une batterie au feu ou dans un four chaud et ne jamais écraser ou couper mécaniquement une batterie.
- Évitez de placer les batteries dans des environnements à très haute température, car cela peut entraîner une explosion ou une fuite de liquide ou de gaz inflammable.
- Les batteries soumises à une pression d'air extrêmement basse peuvent entraîner une explosion ou une fuite de liquide ou de gaz inflammable.
- Il convient d'attirer l'attention sur les critères environnementaux quant à l'élimination des batteries.
- Avant toute installation ou utilisation de l'appareil, veuillez vous référer aux informations figurant sur le dessous extérieur de l'appareil pour obtenir des informations sur les caractéristiques électriques et la sécurité.



Warranty Policy

Thank you for choosing BLUETTI. Please read the terms and conditions and fill in the warranty card. This card, together with your proof of purchase, entitles you to the service of the product under the terms of this warranty.

The warranty period starts from the date of product receipt.

Item	Warranty Period
Main unit (including batteries)	60 months*
Solar panel	12 months
Accessories (adapter/cable/others)	12 months

* Only applies to products purchased directly from the official BLUETTI website. If you purchased the product from other channels, the warranty is valid for 24 months. However, you can register for BLUETTI VIP on the official website to get a free warranty extension.

The warranty does not cover:

- Issues arising after the warranty period has expired;
- Damage resulting from improper use, maintenance, or storage, contrary to the user manual;
- Unauthorized disassembly, repair, or modifications;
- Damage caused by force majeure events.



Valid Proof of Purchase

- 01 Order number of the product purchased through authorized platform.
- 02 Invoice or order confirmation email, which includes product description, price, and sales channel.
- 03 To claim the warranty, provide multiple purchase proofs, such as receipts, shipping confirmation, product S/N, and photos or videos of the fault or issue.



Return / Replace / Repair

BLUETTI warrants the product against defects materials and workmanship in normal use. During this warranty period, any defective parts or the entire product will be repaired or replaced at our discretion.

- 01 Contact us to obtain a return authorization first, or we may reject your return.
- 02 Return the product to the address provided. We'll cover the shipping cost.
- 03 Upon confirming receipt of the defective product, we'll proceed with the replacement in 7-10 business days.

Warranty Card

Customer:	Date:		
Company (optional):			
Address:	City:	State:	Zip:
Phone:	Fax:		
Email Address:			

Purchase From:
Receptionist:

RMA #:

Model:	
S/N:	
Purchase Date:	
Problem Description:	

For more information, please visit:

Web: <https://www.bluettipower.com>



@ BLUETTI Support

@ BLUETTI Official



@ bluetti_inc



@bluetti.inc



@bluetti_official



service@
bluettipower.com

SHENZHEN POWEROAK NEWENER CO., LTD.

Add: F19, BLD No.1, Kaider, Tongsha Rd No.168, Xili Street,
Nanshan, Shenzhen, China

USA Agent

Company: BLUETTI POWEROAK INC

Add: 6185 S VALLEY VIEW BLVD STE D LAS VEGAS

NEVADA 89118 United States

FRN: 0033559824

Customer Service

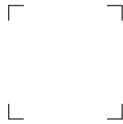
Tel: 800-200-2980 (Monday to Sunday 9:00-17:00)

Email: sale@bluettipower.com (Pre-sales),

service@bluettipower.com (After-sales)



P/N:17.0303.0600-01A1



Certificate

Inspector: _____

QC: _____

Just Power On