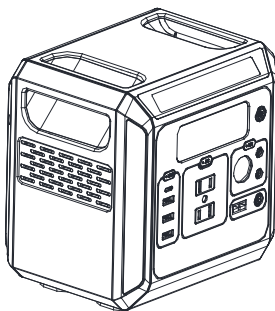


Portable Power Station User Guide



To Respectful Customer

Thank you for buying the AWANFI A31 Portable Power Station. Please read and understand the User Guide before operating the product. For questions regarding our portable power station, please contact support by emailing support@awanfi.net.

Table of Contents

Safety Information	3
What's In the Box	7
Get To Know Your AWANFI A31	8
Charging Your AWANFI A31	10
Charging from the Wall	10
Charging from Solar	11
Charging from Car Cigarette Lighter	12
Using Your AWANFI A31	13
Applicable to appliances under 500W	13
Using as AC110V power supply	14
Using as DC12V power supply	15
Using as USB power supply	15
Using as LED flashlight	16
Error Codes	16
Storage and Maintenance	17
Technical Specifications	18
Troubleshooting	19



Made In China

Safety Information

For your personal and property safety, please read and understand the product safety information.

After reading, please keep the user guide for future reference.

In order to distinguish the degree of personal and property damage caused by misuse, the following two signs are used to illustrate.



Warning: Failure to follow these safety instructions may result in serious injuries or death.



Attention: Failure to follow these safety instructions may result in minor injuries or property damage.

The product safety information will be explained by the following symbols.



Safety instructions must to be followed.



Prohibited matters.



More attention must be paid.



Product Safety Information



Warning

-  For this product is designed for domestic use in the United States, please do not use it abroad. Failure to use the proper power supply may cause incidents, injuries or failure.
-  Charging this product with DC12V or AC110V power supply. Failure to use the proper power supply may result in overheating of this product which may cause a fire, explosion or injury.
-  Please do not use it near the water or in the water. Do not use it at all if it is wet, which may cause fire, electric shock and failure.
-  Please do not use it around combustible materials, which may result in fire.
-  Never disassemble or modify this product, which may result in fire, electric shock or failure.

Disclaimer

- The company will not bear any other responsibilities except for the liability recognized by law for the fault or damage caused by the wrong use of customers or third parties. Please understand in advance.
- The company will not bear any responsibility for the compensation of the connected machine failure when using this product and the direct or indirect damage caused by the failure of this product. Please understand in advance.
- Due to the failure of the product or other problems, the recorded content has not been recorded by external media or video or has been recorded but has been damaged or deleted. In all the above cases, the company does not assume any responsibility for the compensation of the recorded content or all the losses associated with it. In addition, in the above cases, the company will not repair, restore and copy the recorded content. Please understand in advance.

Important Safety Information



Warning



Please use the product correctly according to this Guide. Misuse may result in incidents, injuries and failure.



Please do not touch the button with water hands, which may result in electric shock.



Please pay attention to place this product out of children's touch, otherwise, it may cause accidents, injuries and failure.



Please do not throw this product or let it suffer from a strong impact, which may cause fire and failure.



Please do not damage, twist or process all kinds of wires. If it is found that the wire has been damaged, please stop using it immediately, otherwise, it will cause fire and electric shock.



Do not insert nails, needles or other metals, combustible materials and foreign matters into the gap, which may cause fire, electric shock and failure.



Please be sure to take the product out of the bag for use, otherwise, it will hinder the heat dissipation of the product and cause failure.



Please do not place inflammable or deformable materials on or near the product, which may cause fire and injury.



If the product has abnormal actions, smoke, odor and other abnormal conditions, please stop using it immediately. Continued use may result in fire and electric shock. It is very dangerous for the customer to repair it by himself. Please do not do this.



Important Safety Information



Attention



Be sure to unplug all kinds of wires when not in use, otherwise, it will cause fire and electric shock.



Please do not place items on this product, which may result in injury or malfunction. When connecting this product with other machines, please read the instruction manual of each machine carefully. Wrong connection or use the wire outside the regulations to connect, which may cause fire and electric shock.



Be sure to unplug all kinds of wires during cleaning and maintenance, otherwise, it may cause electric shock.



Please try to avoid using or keeping in the following places, otherwise, it may cause heat, fire, leakage and malfunction.

- * A very humid place

- * Rain or snow or places where water will be drenched

- * Easy to fall and high-temperature places (especially please do not put in the car during the summer, please be careful not to misplace the position.)

- * A place with a lot of vibration, which is susceptible to salt damage, dust disaster, chemical gas disaster

- * Below the heavy object and the enclosed place.



When unplugging all kinds of wires, do not hold the wires. Be sure to hold the plug and the part of connector to unplug. Damage to the wires can result in fire and electric shock.



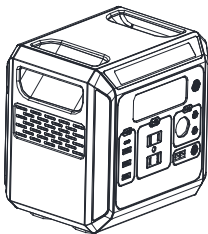
The dirt on the body should be wiped off with a low-concentration neutral detergent. Using diluent, benzene compound and alcohol to wipe will cause discoloration.



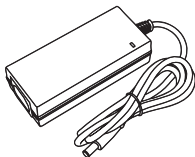
Please charge the product within the range of 0-40 °C ambient temperature. Charging outside the range may result in low performance and life of the battery, as well as leakage, fire and explosion.



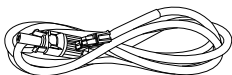
- ☐ User Guide



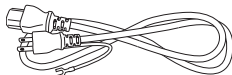
- ☐ AWANFI A31 Portable Power Station



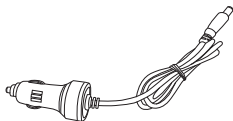
- ☐ AC Adapter



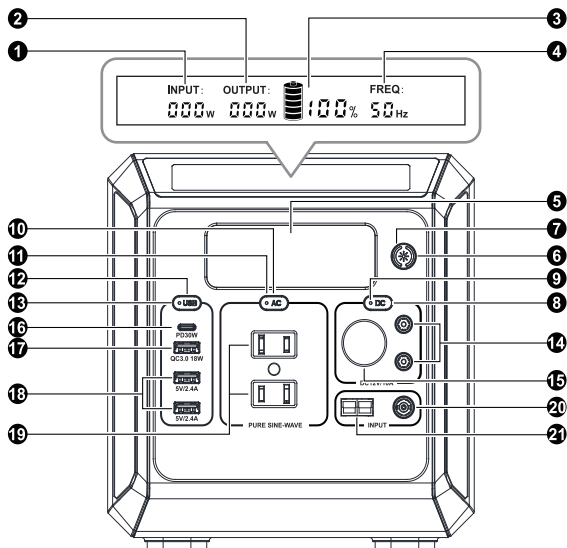
- ☐ MC4 to DC cable



- ☐ AC Wall Charger



- ☐ Car Charging Cable

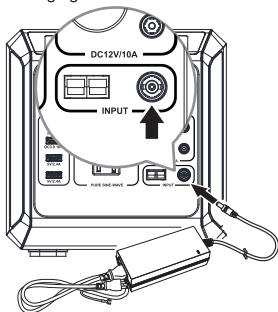


- ① INPUT Display
- ② OUTPUT Display
- ③ BATTERY LEVEL Display
- ④ AC FREQUENCY Display
- ⑤ LED Flashlight
- ⑥ LED Flashlight Power Button/Power Button
- ⑦ Power LED
- ⑧ DC Output Button
- ⑨ DC Output ON LED
- ⑩ AC Output Button
- ⑪ AC Output ON LED
- ⑫ USB Output Button
- ⑬ USB Output ON LED
- ⑭ DC 12V Output Port(DC5.5x2.1)
- ⑮ DC 12V Output Port(Cigarette Lighter Socket)
- ⑯ TYPE-C PD30W Output Port
- ⑰ QC3.0 18W Output Port
- ⑱ USB Output Port
- ⑲ AC Outputs
- ⑳ DC Input Port(DC7.5x0.8)
- ㉑ Solar Input Port

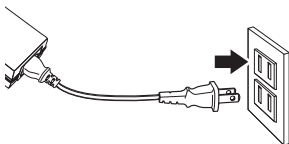


Charging with the wall charger.

1. Plug the AC adapter into the charging interface.



2. Insert the plug of the AC adapter into the socket.



3. You can confirm the charging status on the screen.



Charging: the battery level indicator flashes.

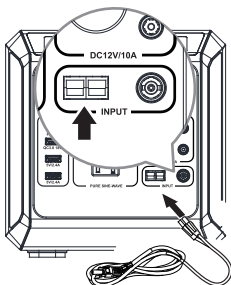


Fully charged: all battery segments will be lit and remain solid.

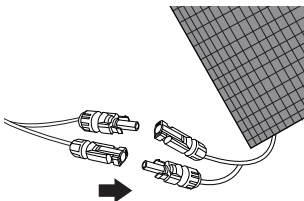
Charging the AWANFI A31

Charging from Solar

1. Insert the solar charging cable (Anderson Powerpole Connector) into the solar charging port of the product.



2. Connect the solar charging cable (MC4 Connector) to the MC4 port of the solar panel.



3. You can confirm the charging status on the screen.



Charging: the battery level indicator flashes.

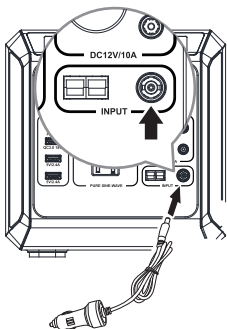


Fully charged: all battery segments will be lit and remain solid.

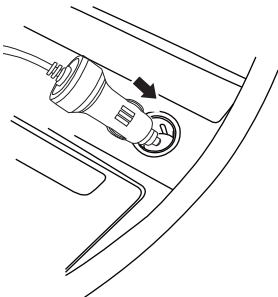
Charging the AWANFI A31

Charging with the car charging cable.

1. Insert the car charging cable into the charging connector.



2. Insert the cable on the other side into the cigarette lighter.



3. You can confirm the charging status on the screen.



Charging: the battery level indicator flashes.



Fully charged: all battery segments will be lit and remain solid.

Applicable to appliances under 500W

Mini Refrigerator



AC110V 40 ~ 60w

Video recorder



AC110V 20 ~ 30W

Digital camera



AC110V 20 ~30W

LCD TV



AC110V 5 ~ 10W

Laptop



AC110V 60 ~ 80W

Lighting machine



AC110V 20 ~ 40W

PSP



AC110V 10 ~ 15W

Smartphone



AC110V 15 ~ 25W

Electric shaver



AC110V 10 ~ 15W

Use Time after fully recharged

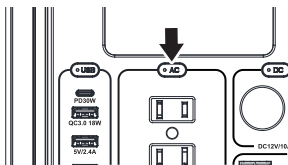
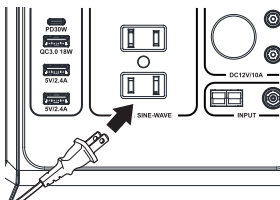
Power Consumption	AC110V Machine	DC12V Machine
10w	about 45 hr	about 47 hr 50 min
20w	about 22 hr 30 min	about 23 hr 45 min
40w	about 11 hr 15 min	about 11 hr 40 min
60w	about 7 hr 30 min	about 8 hr
80w	about 5 hr 45 min	about 6 hr
100w	about 4 hr 30 min	about 4 hr 45 min
120w	about 3 hr 45 min	about 3 hr 50 min
150w	about 3 hr	
180w	about 2 hr 30 min	
210w	about 2 hr	
250w	about 1 hr 40 min	
300w	about 1 hr 25 min	

The use time of the machine will change according to the surrounding temperature and the number of battery use.

Using as AC110V Power Supply

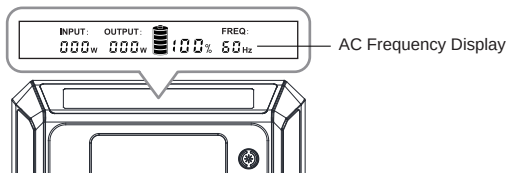
*Please make sure to use the rated voltage and power of the machine.
It is not applicable to machines above 500w.

1. Insert the plug of the AC110V machine into the AC outlet.
2. When the unit is in off state, long press the AC output button for three seconds to use the AC output. When it is in on state, just press the AC output button once to use the AC current output.



3. Choosing the AC Frequency

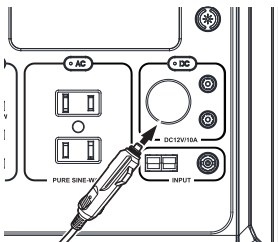
Turn on the AC output, then press the AC power button for 10 seconds to select the AC frequency needed.



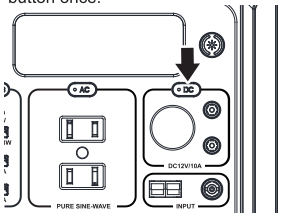
Using as DC12V power supply

* Please use a machine with a current consumption of less than 10A.

1. Insert the cigarette lighter/DC plug into the cigarette lighter socket/DC output ports.



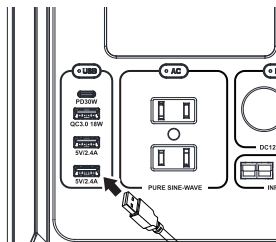
2. When the unit is in off state, the DC current output can be used by pressing the DC output button for three seconds. When it is in on state, the DC output can be used by pressing the DC output button once.



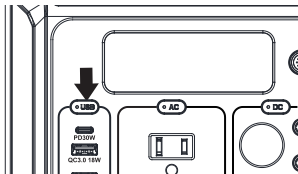
3. After use, press the DC output button once again to turn off DC output. (When DC output is ON, the A31 won't automatically turn off.)

Using as USB Power supply

1. Insert the USB cable into the USB output ports.



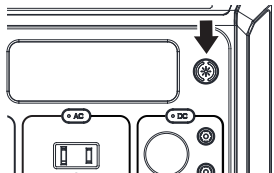
2. When the unit is in off state, long press the USB output button for three seconds to use the USB output. When it is in on state, just press the USB output button once to use USB output.



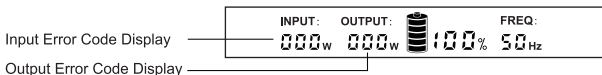
3. After use, press the USB output button once again to turn off USB output. (When USB output is ON, the A31 won't automatically turn off.)

Using as LED Flashlight

When the product is in off state, press the power button for 3 seconds to power on the unit, then press the button once to turn on the LED flashlight, and then press once for SOS light, again for strobe light. When it is in on state, just press the power button once to turn on LED flashlight and long press the power button to turn it off.



Error codes



E01 DC output is overloaded or short-circuited. Power draw exceeds port's maximum allowance.

Disconnect the device from the unit and then press any button to clear the error code.

E02 AC Output is overloaded. Power draw exceeds port's maximum allowance.

Disconnect the device from the unit and then press any button to clear the error code.

E03 Heat sink is overheated.

Allow the unit to cool. The error code will automatically disappear when the unit returns to normal operating temperature.

E04 Internal battery is overheated.

Allow the unit to cool. The error code will automatically disappear when the unit returns to normal operating temperature.

E05 Internal battery temperature is too low.

The error code will automatically disappear when the unit returns to normal operating temperature.

Storage:

In order to prolong the battery life, recharge the unit in time after use.

If you do not use the unit for a long time, fully charge it every 3 months and store it in a cool, dry place.

Keep the unit away from children.

Maintenance

Do not tear off any labels on the unit.

Keep the unit away from water.

Use low concentration neutral detergent to wipe off the dirt on the unit.

Note

Do not disassemble or modify the unit.

Do not insert nails, needles and other metals and flammables or other foreign objects into the unit.



Technical Specifications

In order to improve the product, the specifications values of the unit may change, please understand in advance.

OUTPUT	AC Outputs	Output voltage: 110±10% 50/60Hz Maximum output: 700w Rated output: 500w Output waveform: sine wave
	DC Outputs	Output voltage: DC12V Output current: 10A (maximum)
	USB Output	Output voltage: DC5V Output current: 2.4A (maximum)
	QC3.0 Output	Output voltage : DC5V-12V Rated Power: 18W
	TYPE-C Output	Output Voltage: DC 3.6V-12V Rated Power: 30W
INPUT	DC Input	Input voltage DC12V-25V
	Solar charging	Input voltage DC12V-25V
Discharge temperature		- 20℃ ~ + 60℃
Charging temperature		0℃ ~ + 40℃
Battery capacity		518.4Wh
Size		185mm × 187mm × 150mm
Weight		4kg

Troubleshooting

Problems	Solutions
Failed to power on the unit	Check the remaining battery power, if there is no power, please recharge it before using it.
	Disconnect the device from the unit and try again.
Failed to recharge the unit	Check whether the AC adapter is damaged or wrong connected. The indicator light on AC adapter should be lit up when charging.
	Check whether there is a temperature warning. The unit cannot be recharged if the unit is overheating. Allow it to cool and recharge it after the unit returns to the normal operating temperature. And the unit cannot be recharged at low temperature.
Failed to output	Check whether the output function is turned on.
	Check whether the unit is overheated. Allow the unit to cool if overheated.
	Check whether the unit is short-circuited or overloaded. Disconnect the device from the unit if overloaded.
Short use time	When the temperature is lower than the operating temperature, the unit in totally new condition may have a low performance. And the battery life will decrease after repeated use.

* If the above solutions cannot solve the problems, please stop using it and contact us for support. Customers are advised not to disassemble, modify, or repair this product, which may cause serious accidents such as electric shock, explosion, and fire.

