

ALPHA DIGITAL

PORTABLE POWER SUPPLY User manual



Model: T101

ATTENTION

The unit provides Modified Sine Wave output, and can be compatible to AC electric appliance that works with Sinusoidal waveform(power <100W). However, anything that uses an AC motor isn't going to work to full capacity on a modified sine wave. such as an electrical fan, It will even make the electric appliance arouse some noise .Appliances like refrigerators, microwaves, and compressors that use AC motors and some delicate medical equipment will be better off with apure sine wave inverter. This product is only used for emergency, it cannot replace the normal alternating current, for long -term use, please adapts the power station specification required byelectrical appliances.

[I] PRODUCT PARAMETERS

Capacity:	155Wh, 14Ah/11.1V(equivalent42000mAh,3.7V)
Dimensions(L*W*H):	186x107x180mm
Weight:	1. 55Kg
Built-in Battery:	High Quality Lithium ion Batteries
Input Recharging :	Adapter: DC15V/2A
Solar Panel Charging:	DC 13V~22V/2A Max
Fully Charged Time:	DC15V/2A: 7~8 hours
DC Output:	5.5 x 2.5MM DC Output: 9~12.5V/10A(15A Max)
USB Output:	2 x USB 5V/2.1A Max 1 x USB C 5-9V/2A Qualcomm QuickCharge3.0 1 x USB 5~9V/2A Qualcomm QuickCharge3.0
AC Output:	Modified Sine Wave Output; AC Voltage: 110/120/220/230/240VAC±10% Output Frequency: 50/60Hz ± 10% Attention: Actual AC voltage/Frequency/Outlet(s) are customized according to different Countries and areas.
AC Power:	AC Continuous Output: 100W (150W Max)
Bulb Type:	4W Ultra bright LED light With SOS/ Blink mode
Power Indicator:	Led Display
Operation temperature:	-10°C-40°C
Lifecycle:	>500 times
Package include:	1 x Portable Power Supply / 1 X 15V/2A Power Adapter 1 x Car Charger / 1 x Cigarette Lighter Adapter 1 x User manual / 1 x Quick Start Guide / 1 x Warranty card

【 II 】 PRODUCT DESCRIPTION

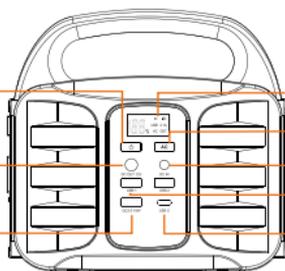
【 FRONT 】

POWER ON/OFF
Battery Check
USB/DC ON/OFF

(Long press this button to switch on the power, Long press 3s to switch off)

5.5mm x 2.5mm DC12V Output
Output_Current10A,Max15A

USB 5~9V/2A Max
Qualcomm QuickCharge3.0



LED DISPLAY

AC ON/OFF

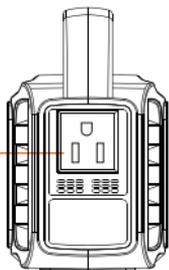
DC Input

2x USB 5V/2.1A Output

USB 5~9V/2A Max
Qualcomm QuickCharge3.0

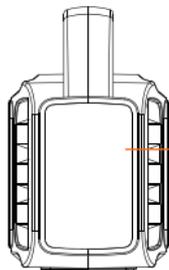
【 LEFT 】

AC Outlets



【 RIGHT 】

LED Lamp



【 LED DISPLAY 】



DC Input Status

USB Output Status

AC Output Status

Battery Capacity

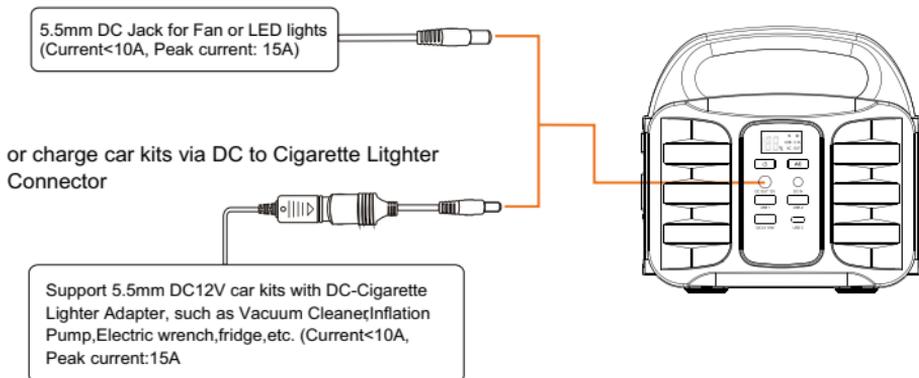
- ※ If you use this product to charge Bluetooth headsets, electronic watches or other products with low power input, you need to turn on the low current output mode: double click the "AC" button, and the LED display will flash. Please note that this mode must be manually closed by pressing "⏻" button for 3 seconds. If you don't need this function, please close it in time.

【III】 PRODUCT INSTRUCTION

1) How to provide power for DC 12V appliances(such as head lamp, fan) with this product?

Plug your appliances to the 5.5mm x 2.5mm DC output port, press the "⏻" button to switch on DC output. Long press the button for 3 seconds to switch off.

Notices: Please confirm whether your DC12V appliance support charging with 5.5mm x 2.5mm DC header interface (The diameter of the DC Port of the Product is: 5.5mm),otherwise it is unable to connect with the DC output, you can consult the electrical manufacturer, buy the corresponding adapter and connect with it.



Protection Mode:

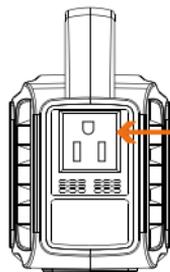
Short-circuit/Overpower Protection: If the DC output is short-circuited, the unit will shutdown to protect itself. Please clear the problem and recharge the unit to recover from protection mode. If the DC output is overpowered (Load(s) power > 150W) the unit will shutdown to protect itself too, please unplug your device from the unit in time.

- ※ Note: The 12V DC output voltage is range between 9V~12.5V, maximum output current is 15A. DC output voltage drops while battery capacity drops due to chemical characteristics of the battery. If your appliance is not built-in input voltage stabilizing function, it may shutdown when input voltage is too low, please unplug your device from the unit in time. Please charge the unit in time.

2) How to provide power for AC appliances with this product?

Connect the power cable plug of the electrical appliance to the AC outlet of the product, Long press "AC" button for 3 seconds to switch on the power button and the unit will start providing power to your appliances. Long press the button for 3 seconds to switch off.

【LEFT】



Limited Appliance Wattage<100W,Lamp, Electric Fan, TV, etc. AC will shutdown when it's short circuited or power overloaded. Remove the device and the unit will recover from short-circuit or overpower protection in a few seconds. Re -press the AC output button to switch on AC output again.

When the AC port is not in use, turn it off to conserve power.

WARNING ! The AC outlets, AC voltage and frequency are different according to different countries; please carefully check whether the product specifications are consistent with the appliance specifications before use, otherwise it can lead to dangerous situations.

Protection Mode:

Short-circuit/Overpower Protection: If the AC output is short-circuited or overpowered(Load(s) power>150W), the unit will shutdown AC output to protect itself. Please clear the problem and re-press the AC output button to switch on AC output again.

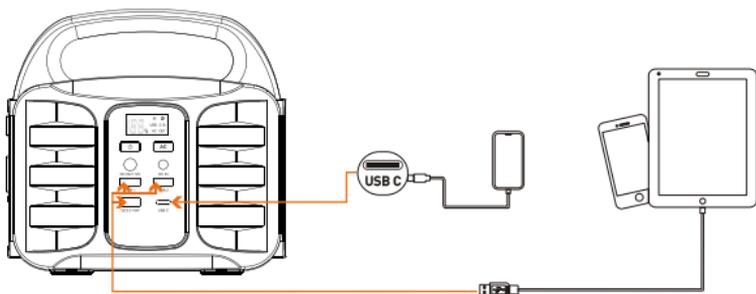
※ Some devices, such as refrigerator, ice maker or a laser printer may require a surge power to start or work during a very time period, the surge power could exceed 150 W or even higher, this could cause overpower protection with this unit. Please remove the devices and consult with the device manufacturers for more information. Please clear the problem and re-press the AC button for AC output.

3) How to provide power for USB digital appliances with this product?

Connect the standard USB cable of digital appliance to the USB output of the unit, press the "⏻" button to turn on USB output. Long press the button for 3 seconds to switch off.

Quick Charge Output: This product supports Qualcomm QuickCharge 3.0 output, support 5V-9V / 2A max output for smart devices which also support Qualcomm QuickCharge 3.0. Actual output voltage and current vaieres, refer to your smart device manual to find out if it's usable.

【FRONT】



4) How to use the Lamp

This unit is built with bright LED light. Double press "☰" button to switch on the lamp and double press this button to switch between modes Flashlight / Blink / SOS. Long press "☰" button 3 seconds to switch off the lamp.

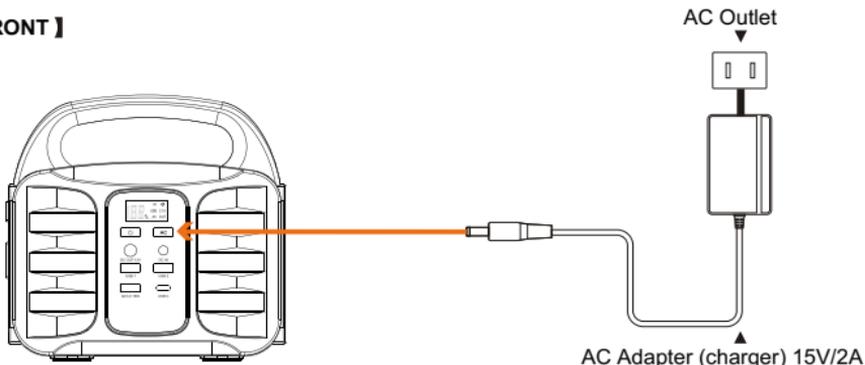
Warning! Do not point directly at eyes.

5) How to charge the unit ?

A. Charge through AC Wall Charger

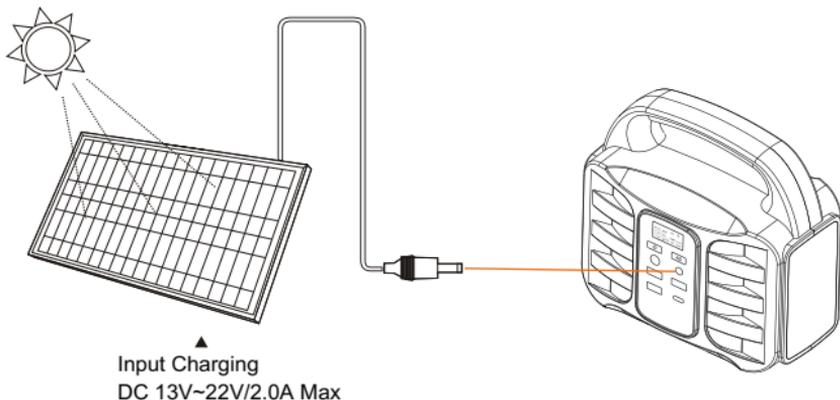
Using the included AC Wall Charger, plug the unit into any wall outlet to charge the unit. You will know the unit is charging when "IN" on the LED display is blinking. The unit is fully charged when "IN" stop blinking and LED display displays "100%". After the unit is fully charged, please remove the AC wall charger in time.

【FRONT】



B. Charge from solar panel (not included, recommend to choose 18V/35W~ 40W solar panels)

1. Place your solar panel where it will get as much direct sunlight as possible.
2. Plug the output of the solar panel into the input of the unit to start charging. You will know the unit is charging when the "IN" on the LED display is blinking. The unit is fully charged when "IN" stop blinking and LED display displays "100%".



c. Charge from your car with a 12V cigarette lighter.

Using the included car charger, plug the unit into a 12V cigarette lighter (car port) of your car. You will know the unit is charging when "IN" on the LED display is blinking. The unit is fully charged when "IN" stop blinking and LED display displays "100%".

Warning: To avoid car battery power loss, only charge this unit through your car cigarette lighter when your car engine is started.

【 IV 】 SECURITY AND MAINTENANCE

- 1) Do not short-circuit the unit. To avoid short-circuiting, keep the unit away from all metal objects (e.g. coins, hair-pins, keys, etc.)
- 2) Do not heat the unit, or dispose of it in fire, water or other liquids. Keep away from high temperatures. Do not expose the unit to direct sunlight.
- 3) Keep away from high humidity, dusty places.
- 4) Do not disassemble or reassemble this unit.
- 5) Do not drop, place heavy objects on, or allow strong impact to this unit.
- 6) This appliance is not intended for use by persons with reduced physical, sensory or mental capabilities unless supervised.
- 7) Children should be supervised to ensure that they do not play with the appliance.
- 8) Do not cover the device with towels, clothing and other item.
- 9) The unit may become hot when charging. This is normal. Use caution when handling.
- 10) Do not charge the unit over the required time.
- 11) Disconnect the unit when fully charged.
- 12) Use the unit properly to avoid electronic shock.
- 13) Please dispose the product in accordance with regulations, do not treat the built-in battery as a household garbage, to avoid explosion and pollution.
- 14) The product cannot replace standard DC or AC power of household appliances or digital products.

- 15) This product is built in high quality original lithium ion battery, it has no memory effect but high-capacity, and it is durable. However, we still recommend you to apply in the range of 10°C ~30°C, so as to obtain the optimal charging capacity.
- 16) When charging, in order to avoid interference, please stay away from TV, radio and other equipment.
- 17) If the device has not been used for a long time, please disconnect the cable and store.
- 18) Some portable devices may need to be set in charge mode to charge, see the corresponding equipment use manual for more information.
- 19) In order to extend the life of product (lithium battery), it is best to charge within 3 months, and charge at least once within 6 months.

COLD WEATHER USAGE

Cold temperatures (below freezing) can affect the unit's battery capacity due to chemical characteristics of the battery. If you'll be living off-grid in sub-zero conditions, we recommend you keep your unit in an insulated cooler, and connected to a power source (solar panels). The natural heat generated by the unit contained in an insulated cooler will keep battery capacity at its highest.

RECYCLE

Always return your used electronic products, batteries, and packaging materials to dedicated collection points.

BATTERY INFORMATION

Your device has an internal, non-removable, rechargeable battery. Do not attempt to remove the battery, as you may damage the device.

The battery can be charged and discharged over 500 times, but it will eventually wear out.

STATEMENT

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FCC AND SAFETY INFORMATION

WARNING!!! This equipment has been tested and found to comply with the limits of 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.