

MARBERO

ATP-168, M168

PORTABLE POWER SUPPLY

Universal Instruction manual



ABOUT THE UNIT

Thank you for applying our multi-function portable power supply. In case of power failure or you need to charge on a travel, you can temporarily charge your electrical or digital devices with this unit. This unit can provide USB, DC and AC output and with emergency flashlight. You can keep laptops, appliances, lights and more going for hours longer. Before using this unit, please read the user manual carefully and properly keep it for reference.

ATTENTION!

This manual is to help you use the product correctly; it does not represent any description on the hardware and software configuration of the product. About the product configuration, please refer to the contract related to this product (if there is), or consult to the seller that sells the product. Pictures in this manual is for reference only, if there are individual pictures do not match the actual, please prevail in actual products.

⚠ DANGER: This manual contains important instructions for operating this product. For your safety and the safety of others, be sure to read this manual thoroughly before operating the product and charger. Failure to follow all instructions and precautions can cause serious injury or death.

INTENDED USE: This portable power station is a power supply for electronic devices with a maximum AC power consumption of 300W. Our product is not suited for use with equipment that relates to one's own personal safety and relies heavily on electricity, such as medical devices, life-saving devices, equipment for nuclear facilities, manufacture of air and spacecraft, etc. We assume no liability for accidents involving personal safety, fires, or machine failures caused by using our product with the aforementioned devices.

ATTENTION

	Not allowed on airplanes		Use original or certified charger & cables
	To preserve the battery lifespan, use & recharge at least once every 3 months		Avoid extreme temperature
	Dispose of batteries and electronic goods in accordance with local regulations		Do not expose to liquids
	Avoid dropping		Do not disassemble

DANGER:

- DO NOT disassemble, repair or modify the unit.
- DO NOT place the unit close to or in a fire or expose it to heat. Keep out of direct sunlight.
- DO NOT charge, use or store the unit in a bathroom or in an area exposed to rain or moisture.
- Only use the output socket to power external devices. Never connect the output to mains power under any circumstances.
- DO NOT touch the unit or the plug-in points if your hands are wet.
- DO NOT connect any metallic objects to the AC input or output.
- DO NOT rub your eyes if fluid from inside the unit gets on your hands.
- DO NOT dispose the unit together with household waste.
- DO NOT use any inappropriate or damaged power cords.
- DO NOT operate the unit above the specified input voltage.
- DO NOT use the unit if it is not functioning correctly.
- DO NOT move the unit if it is recharging or in use.

WARNING:

- Use and store the unit only in a clean and dry environment. DO NOT use and store in dusty or wet environment.
- Check the unit prior to every use. DO NOT use the unit if it is damaged or broken.
- Do not use the unit if the power cord is damaged or broken.
- Keep the unit away from children. DO NOT let children use the power supply unit.
- Keep this product away from pets.
- DO NOT use or store the unit in an area or environment with high temperature.
- Should fluid from inside of the unit come in contact with your skin or clothing, wash the affected areas with tap water.
- In a storm, unplug the power cord from the socket.
- DO NOT charge the unit via power supply systems that operate outside of 100-240V.
- DO NOT place the unit on its side or upside down while in use or storage.

CAUTION:

- If rust, peculiar odors, overheating or other abnormal circumstances are observed, stop using the unit immediately and contact our customer service team.
- The unit complies with all legal requirements for transport of dangerous goods.
- Make sure that the unit is properly secured when transporting it in a motor vehicle.
- Only charge, use and store the unit within an ambient temperature of -10 to 40°C (14°- 104°F).
- Switch the unit off immediately if it has accidentally fallen, was dropped or was exposed to vibrations.
- Carefully read the instructions for the electric devices that you intend to connect to your portable power station.
- Make sure that the device you are connecting is switched off before you connect it.

CAN'T SUPPORT DEVICES MORE THAN 300W



Hair Dryer



Induction Cooker



Heater



Rice Cooker



Electric Drill



Electric Kettle



Microwave Oven



Toaster



Blender

The unit provides Modified Sine Wave output

The unit provides Modified Sine Wave output, and can be compatible to AC electric appliance that works with Sinusoidal waveform(power <math><100\text{W}</math>). 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 a pure 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 by electrical appliances.

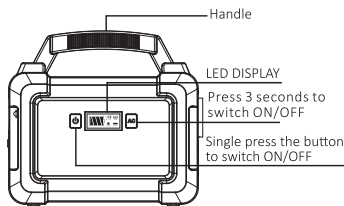
【 I 】 PRODUCT PARAMETERS

Capacity	45000mAh /167Wh DC 19V:7 hours
Dimensions(LWH)	210x90x190mm/8.26x3.54x7.48in
Weight	about 1.64Kg/3.61lb
Built-in Battery	100% Original High Quality Lithium ion Batteries
Input Recharging	Adapter:DC19V/1.5A Solar Panel Charging:DC16.6V~25V/1.5AMax
Fully Charged Time	DC 19V:7 hours
USB Output	USB1+USB2 5V /3.1A USB3 5V/9V 2.1A USB C 5V/9V 2.1A DC1+DC2 12V~16.6V 10A (13A MAX)
DC Output(MAX)	2x5.5MM DC Output 12V~16.6V/10A(13 Max)
AC Output	110V/60Hz±10%
AC Power	Rate power 100W, Max:150W
Bulb Type	Ultra bright LED Flashlight
Power Indicator	LED Display
Operation temperature	-10℃ -40℃ / 14℉ - 104℉
Charge temperature	0℃ -40℃ / 32℉ - 104℉
Lifecycle	>500 times
Package include	1 x Portable Power Supply 1 x Power Adapter 1 x Cigarette Lighter Adapter 1 x User manual

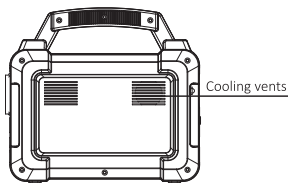
※ There may be some differences on different spare parts.Please adhere to the actual product instead.

【 II 】 PRODUCT DESCRIPTION

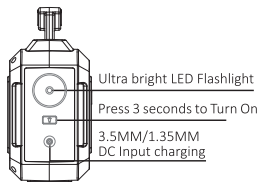
【Front】



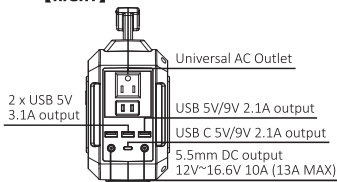
【Back】



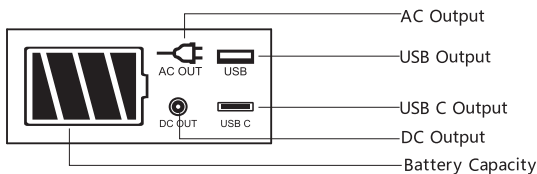
【LEFT】



【RIGHT】



【LED DISPLAY】



ATTENTION! AC Outlets, AC output voltage and frequency will be different according to different countries or areas. Please refer to the actual product before using.

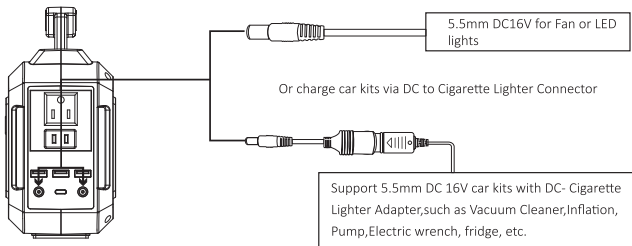
【III】 PRODUCT INSTRUCTION

1) How to provide power for DC16V appliances(such as headlamp, fan) with this product?

The 5.5mm 16VDC output is plug and play. Plug your appliances to the DC output port to gain power. DC output <10A, Max output<13A.

Notices: Please confirm whether your DC16V appliance support charging with 5.5mm 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.

【RIGHT】



※ **Note:** The 16V DC output voltage is range between 12V~16.6V, the maximum output current is 13A. 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 shut down when the input voltage is too low, please unplug your device from the unit in time. And please charge the unit in time.

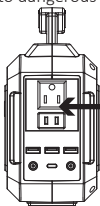
Protection Mode:

Short-circuit/Overpower Protection: If the DC output is short-circuited or overcurrented 13A, the unit will shut down to protect itself. Please clear the problem and recharge the unit to recover from protection mode.

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, switch on the "AC" button and the unit will start providing power to your appliances. **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.

【RIGHT】



Limited Appliance Wattage<100W,such as lamp, Electric Fan,TV, etc. AC will shut down 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 out again.

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

Protection Mode:

Short-circuit/Overpower Protection: If the AC output is short-circuited or overpowered(Load(s) power>100W), the unit will shut down AC output to protect itself. Please clear the problem and re-press the AC button for AC output.

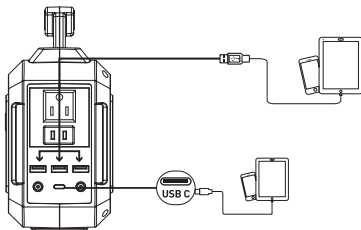
※Some devices, such as refrigerator, ice maker or a laser printer may require a surge power to start or work during a very time period, the surge power could exceed 150W or even higher, this could cause overpower protection with this unit. Please remove the devices and consult with the device manufacturers 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 the digital appliance to the USB output of the unit to gain power. Then press the "⏻" button switch on and the unit will start providing power to the devices, if the unit fails to supply power to the USB appliances automatically, please switch on the AC power button "AC" to turn on USB output manually. Please SWITCH OFF the AC power output button to save power when USB appliances are fully charged.

Quick Charge Output: This product supports Qualcomm QuickCharge 3.0 output, support 5V-9V / 2.1A max output for smart devices which also support Qualcomm QuickCharge 3.0. The actual output voltage and current depends on the actual smart devices, it can be obtained by consulting the smart device manufacturer.

【RIGHT】



4) How to use the flashlight

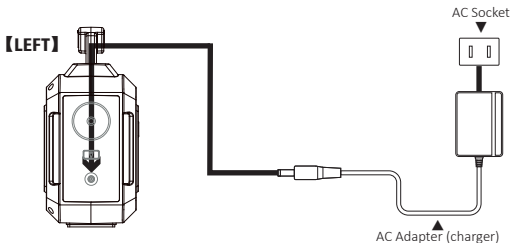
This unit is built-in white LED flashlight. press 3 seconds to turn on the Light, press again for 1 second to switch to Blink mode, press the third time(1 second) to switch to SOS mode. Press the fourth time to turn off the light.

Warning! Do not point directly at the eyes of human in case of any damage due to the strong light.

5) How to charge the unit?

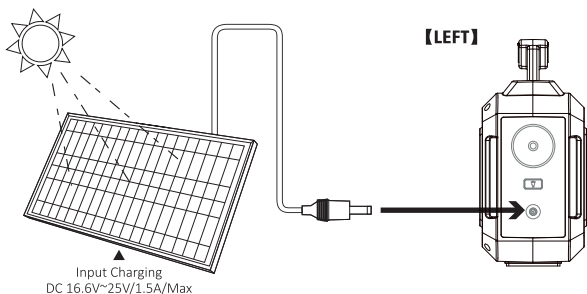
a.Charge through AC Wall Charger

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 the blue LED battery indicators are blinking. The unit is fully charged when all battery indicators stop blinking and remain solid. After the unit is fully charged, please remove the AC wall charger in time.



b. Charge from solar panel[not included]

1. Make sure Voc(open circuit voltage) of the solar panel does not exceed 22V.
2. Place your solar panel where it will get as much direct sunlight as possible.
3. 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 blue LED Battery Indicator lights up and blinks. The unit is fully charged when all battery indicators stop blinking and remain solid.



【 IV 】 SECURITY AND MAINTENANCE

- a) 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.).
- b) 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.
- c) Keep away from high humidity, dusty places.
- d) Do not disassemble or reassemble this unit.
- e) Do not drop, place heavy objects on, or allow strong impact to this unit.
- f) This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- g) Children should be supervised to ensure that they do not play with the appliance.
- h) Do not cover the device with towels, clothing and other item.
- i) The unit may become hot when charging. This is normal. Use caution when handling.
- j) Do not charge the unit over the required time.
- k) Disconnect the unit when fully charged.
- l) Use the unit properly to avoid electronic shock.
- m) Please deal with scrap products in accordance with the regulations, do not treat the built-in battery as a household garbage, so as not to cause the explosion and pollution.
- n) The product is only used for emergency situations, it cannot replace the standard DC or AC power of household appliances or digital products.

[V] PRODUCT APPLICATION SKILLS

- a) 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.
- b) When charging, in order to avoid interference, please stay away from TV, radio and other equipment.
- c) If the device has not been used for a long time, please disconnect the cable and store.
- d) Some portable devices may need to be set in charge mode to charge, see the corresponding equipment use manual for more information.
- e) 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. This way you help prevent uncontrolled waste disposal and promote the recycling of materials.

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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Contact Us:
service@marbero.com



MADE IN CHINA