



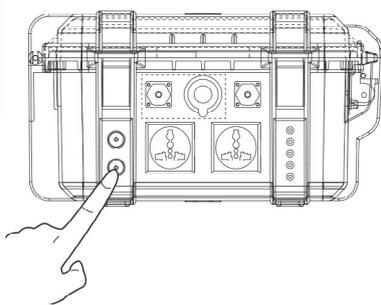
# HYPOPOWER 500

## USER MANUAL

### INTRODUCTION

BOSSCAT AY-010 is a portable AC/DC power station with built-in Lithium battery, which is designed with the safe lithium-ion battery and inverter technology. It's very easy to carry and convenient offering power to electrical appliances with advantages of light weight, large capacity, high power and multiple functions. This item is always used in the field of emergency communication, power lines repair, medical facility, exploration and survey, military, fire rescue and somewhere is the lack of power energy.

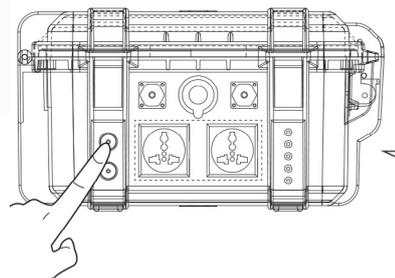
## OPERATION



### DC OUTPUT

Press the DC output switch to turn on the DC output ports, then the power indicators will be lit up to show the remaining capacity as 25%, 50%, 75% and 100%.

Now, the DC 24V/48V output port and DC 12V car cigarette lighter are available to power your DC device.



### AC OUTPUT

Press the AC output switch to turn on the AC output ports, then the power indicators will be also lit up to show the remaining capacity as 25%, 50%, 75% and 100%.

Now, two AC output ports are available to power your AC device.

## HOW TO USE

- AY-010 is with 220V 50Hz / 110V 60Hz pure sine wave and rated power of 1500W.
- The input voltage and frequency of the appliance must be the same as that of the AY-010 power pack.
- Please ensure that the rated power of the appliance is less than the rated power of the 1500W power pack, preferably within 80% of the rated power.

There is a protection function about 10 seconds if the load you used is over the rated power, so AY-010 is very suitable for electrical appliances that are within the rated power of AY-010. But since the consumed power of some appliances is greater than its rated power, the overload protection will occur and power output will turn off. For example, the general starting current for inductive load equipment is up to 3-8 times of its rated power. And its starting power for energy saving lamp is up to dozens of times of its rated power; Their starting power is much more than the instant maximum power that the power pack can bear, so the load protection works automatically. AY-010 is featured with overload protection, short-circuit protection, over-temperature protection, over voltage protection and so on.



## SAFETY PRECAUTIONS

To protect yourself and others from harm and to protect your equipment from damage, please read all the following information carefully before using your equipment.

- Keep away from high temperature (60°C) to avoid damaging the power pack!
- Keep away from children!
- Caution! The Lithium-ion Battery Pack built-in.
- Do not use the appliances with power exceeding the rated 1500W of the power pack.
- Do not keep the power pack in the trunk of vehicle.
- Do not leave the power pack in an unattended vehicle.
- Do not use the product under the environment with open fire and rain.
- Do not cover and stack any objects on power pack, and make sure the heat dissipation is at least 5cm around it.
- Do not use the power pack in a corrosive, flammable or explosive such as gasoline, gas, etc environments, otherwise the power pack may be damaged.
- Do not place the power pack inside or on top of a heating device (such as a micro wave oven, oven, or radiator).
- Do not use the power pack under the environment with extremely high temperature (above 60°C) or extremely cold temperature (below 0°C).
- Do not clean the power pack with water or chemical cleaners. before cleaning and maintaining, please turn off the power pack.
- Do not use a charger that is not approved by the manufacturer to charge the power
- Do not use the device in thunderstorms. This maybe cause the malfunction of the device and maybe increase the risk of electric shock.
- Please place the power pack on a flat surface.
- Do not disassemble, modify or repair the power pack. Any changes or modifications made to the equipment will not be warranted by the manufacturer. For repairs, please contact the dealer where you purchased the product.

# What is Hypochlorous Acid?

**Introducing a stronger, safer replacement for bleach. Serving as nature's ancient disinfectant, Hypochlorous Acid (HOCl or HClO) is the most effective chlorine disinfectant.**

It is completely natural, non-hazardous and safe to humans. Hypochlorous Acid (HOCl) is a biocide that is naturally produced by the white blood cells in our bodies and plays a vital role in the immune system, killing pathogens through oxidation and chlorination. Utilising the power of nature, Hypochlorous Acid can be synthesised through electrolysis.

Hypochlorous Acid (HOCl) has been extensively researched, over the last 30 years, as a powerful environmental cleaning solution. 99.99% of most harmful bacteria, including Covid-19 and Norovirus, are killed within 30 seconds of contact with HOCl of 200ppm or greater under laboratory conditions. Research suggests that Hypochlorous Acid (HOCl) may be 70-80 times more effective than sodium hypochlorite (chlorine bleach).



HOCl is completely safe and non-toxic to humans. You can spray it on surfaces or pour directly. It can be used for hand washing and dressing wounds, and purifying drinking water. To do so, use 2.5 ppm HOCl with a 30min dwell time, for example 1 Liter of 500ppm can purify 200 Liters of water.



You may also safely use HOCl to clean food, it can be sprayed directly without the need to be rinsed off. HOCl may be diluted to reach a desired PPM. For example, 1 Liter of 500ppm HOCl added to 1 Liter of water will yield 2 Liters of 250 ppm (although the pH may increase.)

## Technical Information:

**IUPAC Name :**  
Hypochlorous acid, chloric(I) acid, chloranol, hydroxidochlorine

**Other Names :** Hydrogen hypochlorite, chlorine hydroxide, electrolyzed water, electrolyzed, oxidizing water, electro-activated water

**CAS Number :** 7790-92-3

**Molar Mass :** 52.46 g/mol

**Molecular Formula :** HOCl

**Appearance :** Colorless aqueous solution

**Solubility in water :** Soluble

**Acidity :** 7.53

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