



Powerology

**ARMES 150000mAh 500W
Power Station**

SKU: PWA500W

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Product Overview

The ARMES 150000mAh 500W Power Station is a compact and versatile energy solution designed to provide reliable power for outdoor activities, emergency backup, travel, and everyday use. Equipped with multiple output options including AC, DC, USB-A, and USB-C ports, it allows users to conveniently power and charge a wide range of electronic devices such as smartphones, laptops, small appliances, lighting equipment, and more. Its rechargeable high-capacity battery, user-friendly control panel, and portable design make it an ideal companion for camping, road trips, power outages, and other situations where dependable portable power is needed.

Specification

Battery Capacity	150000mAh, 3.2V
Battery Type	LiFePO4
AC Output Power	AC 500W
AC Peak/Surge Power	1000W, <50ms
Voltage Output	220V
Rated Frequency	50/60Hz
DC1 (DC5521) Input	12-20V/2.5A,30W Max
USB-C1 Input	PD 60W Max
DC1 (DC5521) Output	12V/5.5A, 60W Max
USB-C1 Output	60W Max
USB-C2/C3 Output	5V/2A
USB-A1/A2/A3 Output	5V/2A
Car Socket Output	12V/10A

Cycle Life	+2000
Charging Time	9 Hours ($\geq 60W$), 12 Hours (45W), 26 Hours (25W)
Product Material	ABS
Product Weight	4.30 kgs $\pm 50g$
Product Size	217 x 272 x 99mm
Model Number	PWA500W

Battery Runtime

Devices	Device Watt	Discharging Time
Smartphone	4000mAh	about 30times
Bulb	40W	about 11hours
Home use fan	75W	about 6hours
cooking machine	300W	about 1.2hours
laptop	35W	about 12hours
Desktop	160W	about 3hours

Safety Precautions

Warning:

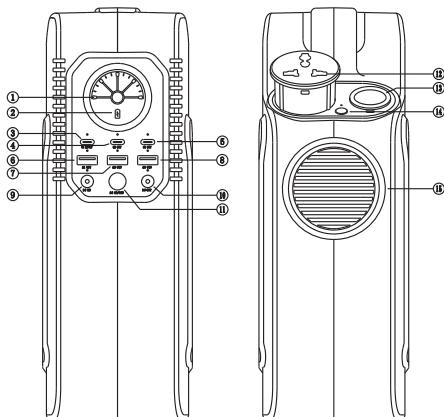
1. Don't put device into water.
2. Don't heat the device or keep near fire source.
3. Don't disassemble device.
4. Don't over-hit the product or throw from high level.

Attention:

1. Please follow the manuals.
2. In case the device over-heating. Please leave at least 5cm for the air vent.

3. The device will automatically shut off when the electricity of device is not enough or the discharging device watt is more than 500w, or in high temperature condition.
4. Please don't charge and discharge at same time.
5. When the device is stored for a long time without use, the battery level may decrease over time. Please recharge the device every 6 months to help preserve battery life.
6. When loading some big watt products, if its instantaneous power is over 1000W, the device will automatically protect itself. It will turn off the output. Please make sure the loading product need no more than 1000W of instantaneous power.
7. Please don't use this device under some extremely condition, eg: flammable or corrosive condition.
8. In case of any malfunctions or warranty claims please contact the customer service

Structural Diagram



- | | | |
|----------------------------|------------|---------------|
| 1. Battery light | 6. A1 OUT | 11. DC ON/OFF |
| 2. Standby indicator light | 7. A2 OUT | 12. AC OUT |
| 3. C1 IN/OUT | 8. A3 OUT | 13. CAR OUT |
| 4. C2 OUT | 9. DC IN | 14. AC ON/OFF |
| 5. C3 OUT | 10. DC OUT | 15. Vents |

Function Instruction

1. How to Charge this Device:

1.1 Charging via Type C1 Port:

It is recommended to use a PD 60W charger with C-C charging cable. Once properly connected and energized, the indicator light will turn ON and indicate normal charging.

Charging time:

60W or higher charger: charging time about 9 hours;

45W charger: charging time about 12 hours;

20W charger: charging time about 26 hours

1.2 Charging via DC IN port:

Use a standard 3.5DC plug in 12-20V/2.5A. Once properly connected and energized, the battery indicator light will turn ON and indicate normal charging. The max. Input power is 30W. (Charging time about 18h).

2. How to operate the DC output:

2.1 Discharge via C1 Port:

Connect the product to be charged to C1 port through C-C line. Once properly connected and the charging output will be automatically started, and the indicator light will display the power on the control panel.

The max. Output is 60W. Once unplugging the charging cable, the panel light will be OFF.

Or longly press DC ON/OFF 3 seconds to boot the system, in this output method the panel light to go out after 40 seconds when the charging cable is unplugged.

2.2 Discharge via Type C2/C3 port :

First, longly Press DC ON/OFF button 3 seconds to boot the system, and the panel light will light up. When the charged product is normally connected and energized, the BLUE light will keep ON. Each C2/C3 port max. output is 12W. the panel light to extinguish after 40 seconds when the charging cable is unplugged.

2.3 Discharge via USB A1/ A2/A3 port:

Select DC ON/OFF button in the DC control panel, longly press 3 seconds to boot the system. When the charged product is normally connected and energized, the BLUE light will keep ON. Each A1/A2/A3 port max. Output is 10W. the panel light to extinguish after 40 seconds when the charging cable is unplugged.

2.4 Discharge via DC OUT:

Select DC ON/OFF button in the DC control panel, longly press 3 seconds to boot the system. The product is normally connected through 3.5DC charging cable, the BLUE light keep ON, the max. Output is 60W.

The panel light to extinguish after 40 seconds when the charging cable is unplugged.

CONTINUATION OF Function Instruction:

3. How to operate CAR OUT port output:

Insert the related products into the cigarette lighter port, select DC ON/OFF in the DC control panel, longly press 3 seconds to boot system.

Properly connected the products to the car out port, the max. Output is 120W. When unplugging the charging cable, the device will standby 40 seconds then control panel light to extinguish and discharge function is cut off.

4.How to operate AC OUT port output:

4.1 Select AC ON/OFF button in the AC control panel, longly press 3 seconds to boot the system, the built-in vent will start as well then stop after 3 seconds. The AC BLUE light will keep ON, select 110V or 220V to connect the products through the AC outlet, the max. AC Output is 500W.

4.2 AC discharge light-overload protection:

In case the equipment load exceeds 500-800W, the device will start the overload protection and automatically TURN OFF the AC output, but the AC BLUE light still ON. It needs to disconnected the equipment and manual shutdown(longly press AC ON/OFF 3 seconds).
(**Note:** If you do not manually TURN OFF the device, the AC output will not work.)
After shutdown interval of 10 seconds, press the AC ON/OFF 3 seconds again to start the device, it will return to normal discharge status.

4.3 Activation of AC discharge overload protection:

In case the equipment load exceeds 900W, it will start overload protection and access into the forced protection mechanism, AC output automatically TURN OFF and AC light TURN OFF. It needs to disconnect the equipment. Then it can only be reactivated through using charging cable to connect C1 port.
(**Note:** DC IN port cannot be activated), after the AC panel is activated, the forced protection mechanism will be automatically released, and AC Output will return to normal.

Disposal

This product must not be disposed of as unsorted household waste. It is important to separate such waste for proper treatment and recycling, in compliance with local waste management regulations.

Warranty

Products that you buy directly from our **Powerology** website or shop come with a 24-month warranty.

The 24-month warranty applies to products purchased directly from our **Powerology** website or store. If **Powerology** products are bought from any of our verified retailers, then the product is eligible for only a 12-month warranty. To extend your product's warranty, visit our website **powerology.me/warranty** and fill in your details in the provided form along with an uploaded picture of the product to process your request. Once approved, you will receive a confirmation email of the extended product warranty. Upload the required information within 48 hours of purchase to be eligible for a 24-month warranty period.

For more info, please check:
powerology.me/warranty

Contact Us

If you have any questions about this Privacy Policy, please contact us at: **hey@powerology.me**
Website: **powerology.me**
Instagram: **powerology_official**
Facebook: **powerology.ME**