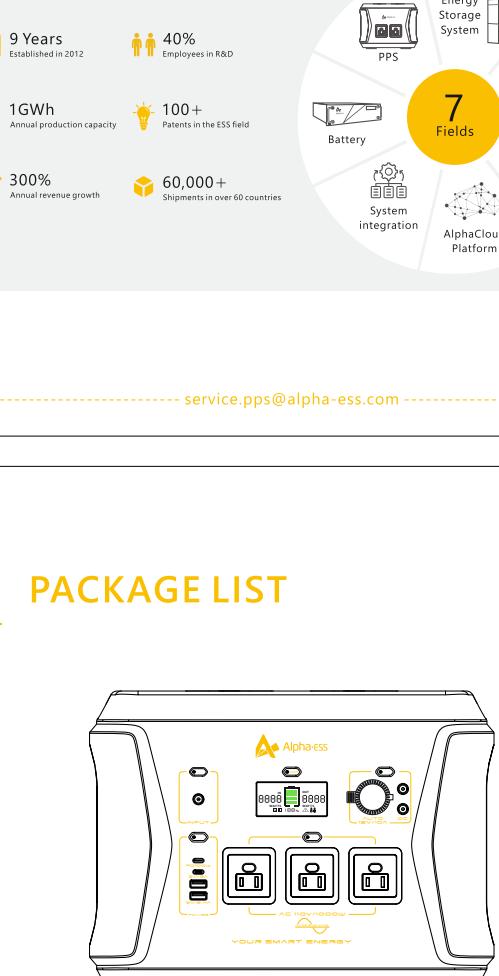


USER MANUAL  
AP1000

Read me, know me, and I will work for you better.

service.pps@alpha-ess.com

## If in need of service, feel free to contact us.

www.alpha-ess.com  
service.pps@alpha-ess.com  
@AlphaEnergyStorageSystem

service.pps@alpha-ess.com

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## I WARNING &amp; ATTENTION

## WARNING

- Do not put the unit in a high temperature environment or bake by a fire, or explode in the sun.
- Do not place the unit in water or rain outdoors.
- Do not place the unit on its side or upside down when in use or storage.
- Do not use the unit in an environment outside the scope of the use environment.
- Do not use the unit if the power cord is damaged or broken.
- Do not let children use the unit. Keep the unit away from children and pets.
- Do not recharge the unit via power supply systems that operate outside of 100-240V.

## ATTENTION

- Keep the power vents open.
- Do not cover this product with objects, such as towels, clothing during use.
- When the product is not in use, please press the corresponding button to turn off the output, otherwise the internal circuits of the DC and AC parts are still in the power consumption state.
- Use the original or certified charger and cables.
- Non-technical professionals should not disassemble the unit.
- Not permitted on aircrafts.
- To preserve the battery lifespan, please use and recharge at least every 3 months.

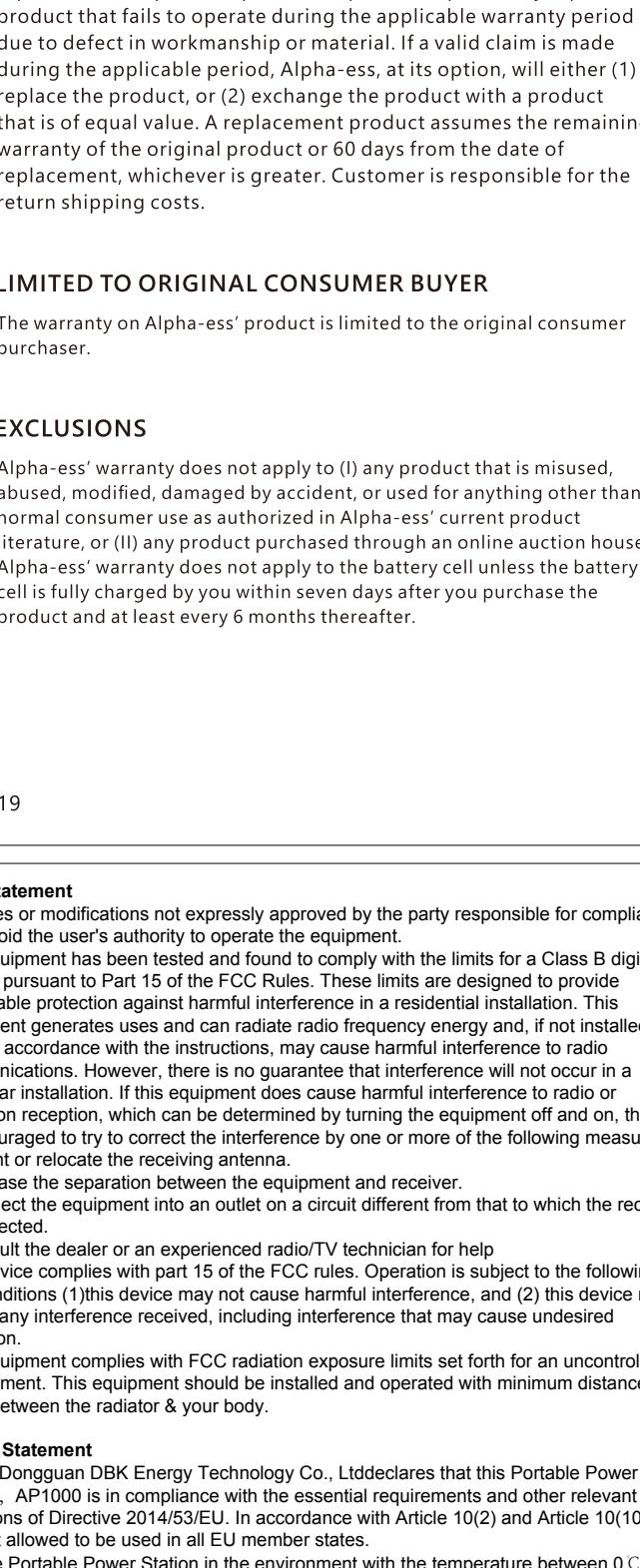
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## III SPECIFICATION

BATTERY	
Cell Chemistry	Lithium Ion
Energy Storage Capacity	1036.8Wh
Single Cell Equivalent Capacity	28.000 mAh @ 3.6V
Lifecycles	>1000 cycles to 80% with full charge/discharge
Self-life	Up to 6 months after full charge; re-charge every 3 months
Wattage Compatibility	1000W Continuous, 2000W Peak Surge
Battery Management System (BMS)	Input undervoltage protection, overvoltage protection, overcurrent protection, overtemperature protection
INPUT PORTS	
DC Charging Port (5525)	12V-24V, 180W MAX, AC adapter, Car charger(included)
USB-C PD port	One (1) USB-C port, PD 100W
OUTPUT PORTS	
USB-A port (5525)	One (1) USB-C port, PD 100W (5V/3A; 9V/3A; 12V/3A; 15V/3A, 20V/5A)
USB Ports (4)	One (1) USB-C port, QC 3.0
DC Port (5525) (2)	Two (2) USB-A port (5V, 2.4A each)
Car Port (1)	12V/10A
AC Inverter (3)	110VAC, 60Hz, Pure Sine Wave
Wireless charging (2)	10W*2
Note	Try to keep the receiver in the best position during charging

03

## IV PRODUCT TOUR &amp; FUNCTIONS



05

## 5. WIRELESS CHARGING

**SWITCH ON:** Press the INFO button to turn on the wireless charging. The switch on the power button will turn on the wireless charging.

**SWITCH OFF:** Press the INFO button again to turn off the wireless charging.

**IMPORTANT NOTICE:** Please notice that the AP1000 input voltage is 12-24V, and the input port is DC5525.

**NOTE:** Make sure the original AC/DC cables are connected firmly.

**1. Make sure the original AC/DC cables are connected firmly.**

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