

ARES

PORTABLE POWER STATION FOR OUTDOOR & EMERGENCY USE

— AR-EHB0510 / AR-EHB1020

Power on the go – Ready for every journey



Pure Sine Wave

Stable power
for sensitive devices



Complete Protection

Overload, overcharge,
short circuit &
overheating protection



Lithium battery

High safety,
superior performance

AR-EHB0510

500W | 1000Wh

AR-EHB1020

1000W | 2000Wh



Extra long cycle life

> 8000 cycles, up to 10 years



Multiple output interfaces

Pure sine wave, matching multiple
electrical loads



High power output

Use with confidence



Lithium battery

High safety, superior performance

PRODUCT OVERVIEW



Can connect with
solar panel



KEY FEATURES



Pure sine wave output

Provides stable power, safe for sensitive devices
such as computers, cameras, and medical equipment.



Powerful and stable performance

Meets the needs of home and outdoor use,
with high durability.



Comprehensive protection

Overload, overcharge, short circuit, overheat
protection.



Smart lithium battery management system

Monitors temperature, voltage, current, and battery
status in real time.



Versatile output ports

AC, DC, USB, Type-C, and more,
meeting multiple device charging needs.



APPLICATIONS



Camping



Home backup



Outdoor

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Specification

MODEL	AR-EHB0510	AR-EHB1020
Output		
AC output	Pure Sine Wave	
	500W	1000W
	230Vac(50/60Hz)	
UPS transfer time	≤20ms	
USB-A(×2 output)	5V 3A(constant voltage), Max. 15W/each	
USB-C(×1 output)	20W	
DC5521(×4 output)	12V±3% Max. 4A	
Parallel	Na	
Others		
Display	LED	
Material	Metal	
Cooling mode	Air cooling	
Switch	Button	
IP rating	IP20	
Dimension(W×H×D)(mm)	135×245×320	210×295×315
Net weight (kg)	≈10.5	≈18.5
Battery		
Rated energy	1004.8Wh	2009.6Wh
Cell material	LFP	
Cycle life	After 8000 cycles, remaining capacity ≥70%	
Protections	High temperature, low temperature, overdischarge, overcharge, overload, short circuit, overcurrent protection	
Input		
PV voltage range	11~55V	
PV current	Max. 10A	Max. 15A
AC input power	500W	1000W
AC input voltage	220~240Vac; 50/60HZ	
Optimal ambient temperature	20~30°C	
Discharge ambient temperature	-10~60°C	
Charging ambient temperature	0~50°C	
Storage ambient temperature	-20~45°C(20~30°C suitable)	
Certification	UN38.3	

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