

Portable Power Station

5120Wh

LYBESS portable power station is designed to home emergency and outdoor activities with sturdy wheels and a luggage-style telescopic pull handle, making it more convenient to carry on the go. 5120Wh portable power station is equipped with several different USB ports, allowing it to power a wide range of mobile devices at the same time.



Product function

AC Fast Charging Technology



With MaxiCharge technology 1800W AC super fastcharging, 5120Wh portable power station can be fully charged in less than 3h. It can be fully charged in 1.8h with dual input from AC outlets and solar panels.

Max 1000W Solar Charging



The built-in MPPT controller offers 99% conversion efficiency, maximizing solar power. With a maximum solar input of 1000W, you can get 5120Wh portable power station fully recharged in around 5h. It works great with 12-120V/15A solar panels.

5120Wh Large Capacity



LYBESS portable power station is designed to home emergency and outdoor activities. It can power essential home appliances for days during extreme blackouts or delivering emergency power for EVs.

Adapt to Charge Mostly Home Appliances



As SmartDrive technology, the unit can power most of the home appliances with huge 2200W output. Such as kettle, refrigerator, tools and electric vehicles.

General Data

Weight	52Kg
Dimensions	560*299*487mm
Operation Temperature Range	0~40°C / 32-104°F
Storage Temperature Range	-10~40 °C / -4-104°F
Cooling Strategy	Fan*6
Humidity	10%-90%

Battery

Model	5000W-US	5000W-EU
Battery Type	LiFePO4 Battery	
Capacity	5100Wh 51.2V	5120Wh 51.2V 1600000mAh

Input

Model	5000W-US	5000W-EU
AC Adapter	12V-120V / 15A, Maximum 1000W	
Super-Charge	AC90V-135V/50Hz(60Hz) Max15A; Max1600W	AC190V-260V/50Hz, Max15A; Max1600W
Solar Charging	12V-120V / 15A, Maximum 1000W	
Car Charging (Battery Charging)	12V / 8A ; 24V / 10A	

AC Output

Model	5000W-US	5000W-EU
Rated Power	2200W	
Surge Power	4000W	
Over Load	2200W≤Over Load < 3000W 3000W≤Over Load < 4000W @5s 4000W≤Over Load @0.5s	2400W≤Over Load < 3000W 3000W≤Over Load < 4000W @5s 4000W≤Over Load @0.5s
Output Voltage	100-120Vac	200-240Vac
Rated Frequency	60Hz / 50Hz	
Inverter efficiency	η=92%	
DOD	90%	
Output Wave	Pure Sine Wave	
Output Type	100-120Vac*5	200-240Vac*5

DC Output

Model	5000W-US	5000W-EU
DC24V	24V/10A*1	
DC12V	12V3A socket*2	
Cigar Lighter	12V10A socket*1	
USB- A	5V2.4A 12W*2; QC3.0*2(5V3A/9V2A/12V1.5A)	
Type C	PD100W*2(5V3A; 9V3A; 12V3A; 15V3A; 20V5A)	