

Portable Power Station

1008Wh

LYBESS's strong system integration capability creates this 1008Wh portable power station is widely recognized for its strong discharge capability, fast charging capability, rich output interface and other advantageous features.



Product function

800W AC Fast Charge



With Maxi-Charge Technology, a bi-directional inverter (AC-to-DC & DC-to-AC) is applied on our power station. Through this inverter, charging speed by AC power can be 800W. It only takes less than 1h to be charged from 0 to 80%.

MPPT Efficiency Over 99.99%



While Charged by solar panels, power station's MPPT efficiency is over 99.99%. This is owing to Enhanced Dynamic MPPT algorithm. Compared with fixed voltage tracking, dynamic voltage tracking makes sure the PV charger always work at the real maximum power point while sun radiation varies at different time in a day.

Sine Wave AC Output



Advanced inverter technology make THD rate of AC output less than 1.5% (at full load). The AC electricity generated by power station is much closer to pure sinewave. The lower THD is, the less impact it will cause to electrical devices.

Powerful Functions



Versatile output, 11 output ports in 6 types including Wireless Charging Power 11 devices simultaneously.

General Data

Weight	10.8Kg
Dimensions(W*H*D)	340*272*198mm
Operation temperature range	Charging:0~45°C; Discharging:-20~60°C
Ingress protection	IP20
Communication interface	WiFi

Battery Input

Nominal Voltage	22.5V
Voltage Range	18.2~26V
Battery Capacity	1008Wh
Nominal Charging Current	36A
Nominal Discharging Current	45A
Max Discharging Current	45A
Life Cycles	> 2000(@25°C, 1C discharge)

AC Input

Model	110Vac	220Vac
AC Charging Power	800W	
Nominal Voltage	110Vac	220Vac
Voltage Range	90~140V	180~260V
Nominal Frequency	60Hz	50Hz
Frequency Range	55~65Hz	45~55Hz
Power Factor	>0.99(@max. charging power)	

DC Input

Max Car Charging Input Power	120W
Max Solar Charging Input Power	200W
DC Input Voltage Range	10~30V
Max DC/PV Input Current	10A

AC Output

Model	110Vac	220Vac
Nominal AC Power	1000W	
Surge Power	3000W	
Nominal Grid Voltage	110Vac	220Vac
Nominal Grid Frequency	60Hz	50Hz
Max.AC Current	27A	13.5A
Nominal AC Current	9A	4.5A
THDv at Nominal Power	<1.5%	

DC Output

USB-A (*1)	12.5W, 5V, 2.5A
QC3.0 (*2)	28W each, (5V, 9V, 12V), 2.4A
USB-TypeC (*2)	100W each, (5V, 9V, 12V, 20V), 5A
Car Port and DC Port Totally Max Ooutput Power	120W
Car Port (*1)	120W, 12V, 10A
DC Port (*2)	120W, 12V, 10A

Other Features

LED Light	3W
LCD	82mm*48mm
Wireless Charger	10W
Parallel Output	Optional

Efficiency

Model	110Vac	220Vac
Battery to AC Max	92.5%	93.0%
AC to Battery Max	92%	
Protection	AC output over current; AC output short circuit; AC charging over current; AC output over/under voltage; AC output over/under frequency; nverter over temperature; AC charging over/under voltage; Battery temperature high/low; Battery over/under voltage;	