

PORTABLE SOLAR POWER STATION

HBP1800 OS Series

1~3KW | 12V,24V | 230V

The HBP1800 OS series is specifically designed for office use, providing a reliable and efficient power source. However, it is also versatile enough to power various household appliances, including PCs, laptops, stereos, and desktop computers. Equipped with a built-in 4-series LiFePO4 battery, the HBP1800 OS has a capacity of either 960Wh or 2560Wh, making it an ideal portable power station for a range of needs.



- Huge AC output
- Go green without sacrificing speed
- Plug and play home backup power
- Control from anywhere

Back panel description

● 1KW

1. LCD Screen

2. LED Light

3. Operation button

4. Power Switch

5. DC12V/10A output(5521) ×2pcs

6. USB-A 5V ×4pcs

7. USB TypeC (PD 18W)

8. Charger input protect

9. COM port

10. USB port

11. AC input

12. Wifi PORT

13. PV input

14. Battery protect

15. AC output ×3pcs

Application



Model		HBP18-1012 OS		HBP18-2024 OS		HBP18-3024 OS	
Nominal Battery System Voltage		12VDC		24VDC		24VDC	
INVERTER OUTPUT							
Rated power		1000W		2000W		3000W	
Output voltage waveform		Pure Sine Wave					
Output voltage regulation		230V ±5%					
Output frequency		50Hz / 60Hz (±0.2Hz)					
Peak efficiency		90%					
Nominal DC input voltage		12V (±0.3)		24V (±0.3)		24V (±0.3)	
Standby Consumption		< 25W					
PV INPUT							
Max solar power input		900W		1800W		1800W	
PV max charging current		60A (±3A)		60A (±3A)		60A (±3A)	
Combined charging current		70A (±4A)			80A (±4A)	80A (±4A)	
Max efficiency		98.0% max					
PV array open circuit voltage		105VDC		145VDC		145VDC	
PV Array MPPT Voltage Range		15~105V		30~120VDC		30~120VDC	
AC INPUT							
AC input voltage		230Vac ±5%					
Acceptable input voltage range		90-280VAC					
Nominal input frequency		50Hz / 60Hz (Auto detection)					
Transfer time		10ms typical (UPS, VDE); 20ms typical (APL)					
AC CHARGE							
Charging current @ Nominal input voltage		10/20A (±4A)		20A/(±4A)		20A/30A (±4A)	
Charging Algorithm		4-step (Li)					
OUTPUT							
AC output		230Vac (Socket *3pcs)					
USB TypeC		DC output*1pcs					
USB-A 5V		DC output*4pcs					
LITHIUM BATTERY							
Energy		960Wh	1280Wh	1920Wh	2560Wh	2560Wh	
Nominal voltage		12.8V		25.6V		25.6V	
Battery capacity		75Ah	100Ah	75Ah	100Ah	100Ah	
Protection board		100A		100A		140A	
Standard charging & discharge current		50A	50A	50A	50A	50A	
Operation temperature	Charge	0℃ to 45℃					
	Discharge	-10℃ to 60℃					
MECHANICAL SPECIFICATIONS							
Dimensions (W*H*D) (mm)		225*295*363		275*324*403		288*348*490	
Shipping Dimensions (W*H*D) (mm)		/		/		/	
Shipping Weight (kg)		/	/	/	/	/	
CERTIFICATION & STANDARDS							
CE-EMC+LVD(EN6100-6-3;2007, EN6100-6-1:2017+EN IEC62109-1:2010, EN IEC62109-2:2011)							