

PORTABLE SOLAR POWER STATION

HBP1500 Series

1~1.2KW | 12V,24V | 230V

The HBP1500 series is a versatile portable power station suitable for powering various household appliances such as TVs, stereos, laptops, and desktop computers. It is equipped with a built-in LiFePO4 battery pack at home or office, it is a backup power provide uninterrupted power supply, at the same time, it a great choice for outdoor camping as well.



- Portable and easy carry
- Multiple Charging Ways Available: AC Charging, Solar Charging
- HD Screen: the power status is clear at a glance
- Multiple outputs can supply power for various electrical appliances.
- Intuitive battery endurance indicate

Back panel description

1. LCD screen

2. DC 12V output(5521) *1pcs

3. DC 9V output(5521) *1pcs

4. USB-A (5V 2.1A*4pcs)

5. USB TypeC (5V 1A*1pcs)

6. Indicator light

7. Exit button

8. DC power button

9. Setting button

10. AC power button

11. Power switch

12. Ground

13. AC input

14. PV input

15. Main switch

16. AC output ×2pcs



Model	HBP15-0612	HBP15-1012	HBP15-1224
Nominal Battery System Voltage	12VDC		24VDC
INVERTER OUTPUT			
Rated Power	600VA / 600W	1000VA / 1000W	1200VA / 1200W
Waveform	Pure Sine Wave		
Nominal Output Voltage RMS	230V		
Output Voltage Regulation	+10/-18%		
Output Frequency	50Hz / 60Hz ±1Hz		
Inverter Efficiency (Peak)	>90%		
Line Mode Efficiency	>95%		
Typical Transfer Time	Typical < 10ms , 20ms max		
AC INPUT			
Voltage Nominal	230VAC		
Voltage Range	176 ~ 278VAC ± 3%		
Frequency Range	45 ~ 65Hz ± 2Hz		
Frequency Nominal	50Hz / 60Hz (Auto Detection)		
SOLAR CHARGER & AC CHARGER			
Maximum AC Charge Current	20A		15A
Maximum PV Charge Current	40A (max)		
Maximum Charge Current AC+PV	40A (max)		
Maximum PV Array Power	600W		1200W
MPPT Operating Voltage Range	15 ~ 75VDC		30 ~ 75VDC
Maximum PV Array Open Voltage	105VDC		
Maximum Efficiency	> 95%		
DC OUTPUT			
USB Type A	5V 2.1A * 4ch		
USB Type C	5V 1A * 1ch		
DC output	9V 1A + 12V 1A		
PROTECTION			
Battery Input Protection	FUSE		
Load Output Protection	FUSE		
Bypass Fuse Rating	6.3A	10A	10A
LITHIUM BATTERY			
Battery Energy	538Wh/ 640Wh	1280Wh	1076Wh/ 1280Wh
Nominal Input Voltage	12.8VDC (4 Series LiFePO4)		25.6VDC (8 Series LiFePO4)
Low Battery Cutoff	11.5VDC		23.0VDC
Low Battery Alarm	12.0VDC		24.0VDC
Low Battery Voltage Recover	12.8VDC		25.6VDC
High Battery Voltage Recover	14.5VDC		29.0VDC
High Battery Voltage Cutoff	15.0VDC		30.0VDC
MECHANICAL SPECIFICATIONS			
Machine Dimension (W*H*D)(mm)	225* 304*335		
Package Dimension (W*H*D)(mm)	307* 375 *417		
N.W(kg)	12	17	17
G.W(kg)	14	19	19
OTHER			
Operation Temperature Range	0°C ~ 45°C		
Display	LED+LCD		
CERTIFICATION & STANDARDS			

*The technical specifications of this document are subject to change without any notice