

PORTABLE SOLAR POWER STATION

HBP1800 OLV Series



1~2KW | 12V,24V | 120VAC

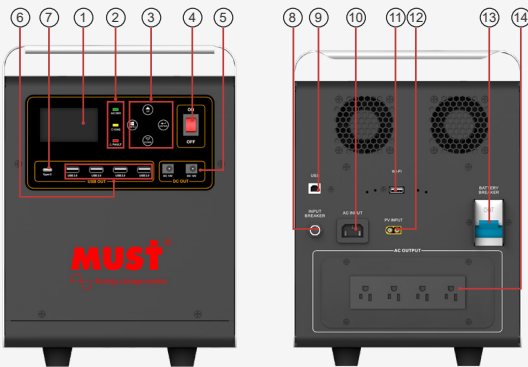
The HBP1800 OLV series is specifically designed for office use, providing a reliable and efficient power source. However, it is also versatile enough to power various household appliances, including phone, laptops, stereos, and desktop computers. Equipped with a built-in LiFePO4 battery, the HBP1800 OLV has a capacity of either 1280Wh or 2560Wh, Multiple DC output ports for Multiple Devices, Plug & play, making it an ideal portable power station for a range of needs.



- Energy storage 1280~2560wh Optional
- 6000+ Charge cycle @ 80% DOD,25°C
- 1~3KW Pure sine wave inverter
- Multiple DC output ports for Multiple Devices, Plug & play
- Flexible Recharging Ways (AC/ Solar)
- Built in Multi safety protection

Back panel description

1KW



1. LCD Screen

2. LED Light

3. Operation button

4. Power Switch

5. DC12V/1A output(5521) ×2pcs

6. USB-A 5V ×4pcs

7. USB TypeC (5V 2.1A)
8. Input breaker

9. USB port

10. AC input

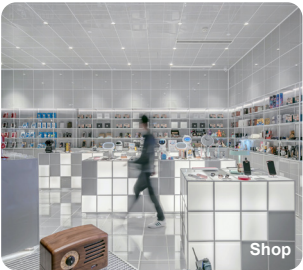
11. Wifi PORT

12. PV input

13. Battery protect

14. AC output ×4pcs

Application



MODEL		HBP18-1012 OLV	HBP18-2024 OLV
Nominal Battery System Voltage		12VDC	24VDC
INVERTER OUTPUT			
Rated power		1000W	2000W
Output voltage waveform		Pure Sine Wave	
Output voltage regulation		120V ±5%	
Output frequency		50Hz / 60Hz (±0.2Hz)	
Peak efficiency		90%	
Nominal DC input voltage		12V (±0.3)	24V (±0.3)
Standby Consumption		< 25W	
PV INPUT			
Max solar power input		900W	1800W
PV max charging current		60A (±3A)	60A (±3A)
Max combined charging current		70A (±4A)	100A (±4A)
Max efficiency		98.0% max	
PV array open circuit voltage		105VDC	160VDC
PV Array MPPT Voltage Range		15~105V	30~128VDC
AC INPUT			
AC input voltage		120Vac ±5%	
Acceptable input voltage range		107~132VAC(UL)	
Nominal input frequency		50Hz / 60Hz (Auto detection)	
Transfer time		10ms typical (UPS, VDE); 20ms typical (APL)	
AC CHARGE			
Charging current @ Nominal input voltage		10A (±4A)	40A(±4A)
Charging Algorithm		4-step (Li)	
OUTPUT			
AC output		120Vac (Socket *4pcs)	
USB TypeC		DC output*1pcs	
USB-A 12V/1A		DC output*2pcs	
USB-A 5V		DC output*4pcs	
LITHIUM BATTERY			
Energy		1280Wh	2560Wh
Nominal voltage		12.8V	25.6V
Battery capacity		100Ah	100Ah
Protection board		100A	100A
Standard charging & discharge current		50A	50A
Operation temperature	Charge	0°C to 45°C	
	Discharge	-10°C to 60°C	
MECHANICAL SPECIFICATIONS			
Machine Dimension (W*H*D)(mm)		225*295*363	275*324*403
Package Dimension (W*H*D)(mm)		440*305*355	485*356*420
N.W(kg)		17	/
G.W(kg)		18.5	/
Standard Warranty		Inverter: 2 years ; Lithium battery: 5 years	
CERTIFICATION & STANDARDS			