

# PORTABLE SOLAR POWER STATION

**MUST**

May the power be with you



## HBP 1800 OS Series

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.



### OUTPUT

Huge capacity  
1000W/3000W Output



### PURE SINE WAVE

Same as the household power.  
Doesn't damage electrical equipment.



### CHARGING OPTIONS

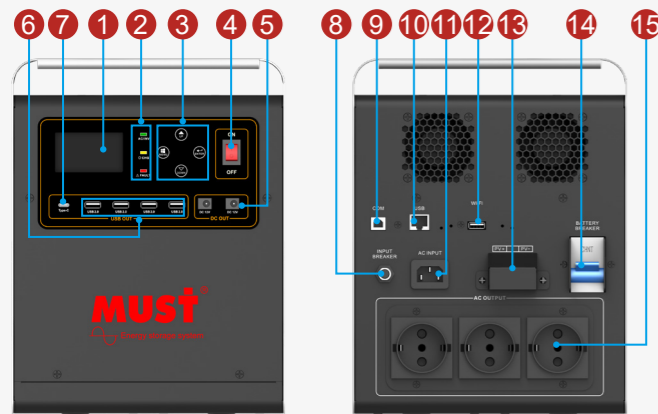
10 Output Ports Meet Multiple Devices



### HD SCREEN

Smart Touchble LCD Display

## Pic of Input & Output Ports



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

## ALL-IN-ONE BACKUP PORTABLE SOLAR POWER STATION HBP1800 OS SERIES

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### Specifications

| 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°C to 45°C   |               |        |             |
|                                |  | Discharge                                   | -10°C to 60°C |               |        |             |
| 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)                     | /   |               | /             |        | /           |

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