

ALL-IN-ONE ENERGY STORAGE SOLAR SYSTEM

MUST

May the power be with you



HBP1800 Series

MUST HBP1800 series all-in-one energy storage solution, support 1KW 2KW 3KW output for different load appliances. It's based on the original cabinet design, stacked with solar energy storage lithium battery 960wh~3072wh, and built in battery protection system, fully retain the use of load power in applications of residential, school, commercial and public utility area.


1000W / 2000W / 3000W
Pure sine wave inverter


960wh~3072wh Optional
Energy storage


4000+
Charge cycle


24/7
UPS Plug & play use

2 USB ports
for DC load

 Features higher capacities for greater compatibility with more power-hungry devices, and the latest in USB-C Power Delivery capable of charging larger USB devices like laptops.

 Includes pre-installed solar charging optimization module that functions as a maximum power point tracker (MPPT), resulting in up to 40% faster charge times.

 With LiFePO4 lithium cells, known for stability and safety, monitored by a state-of-the-art battery management system that prevents over-charge, over-current, and short circuiting.

 Built in Multi safety protection that include short circuit, overload and over-temperature and error code reporting.

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Specifications

| MODEL | | HBP18-1012 | HBP18-2024 | HBP18-3024 | | | |
|-----------------|--|---|---------------|---------------|--------|-------------|--------|
| Inverter | Rated power | 1000W | 2000W | 3000W | | | |
| | Output voltage waveform | Pure sine wave | | | | | |
| | Output voltage regulation | 230Vac ±5% | | | | | |
| | Output frequency | 50Hz / 60Hz (±0.2Hz) | | | | | |
| | Peak efficiency | 90% | | | | | |
| | Nominal DC input voltage | 12Vdc (±0.3) | 24Vdc (±0.3) | 24Vdc (±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/30A (±4A) | 20A/30A (±4A) | | | |
| | Charging Algorithm | 4-step (Li) | | | | | |
| Output | AC output | 230Vac (Socket *4pcs) | | | | | |
| | USB (5V 2.4A) | DC output*2pcs | | | | | |
| | USB (12V 1A) | DC output*1pcs | | | | | |
| Lithium Battery | Energy | 960Wh | 1280Wh | 1920Wh | 2560Wh | 2560Wh | 3072Wh |
| | Nominal voltage | 12.8V | | 25.6V | | 25.6V | |
| | Battery capacity | 75Ah | 100Ah | 75Ah | 100Ah | 100Ah | 120Ah |
| | Protection board | 100A | | 100A | | 140A | |
| | Standard charging & discharge current | 50A | 50A | 50A | 50A | 50A | 50A |
| | Operation temperature | Charge | 0~45°C | | | | |
| Discharge | | -10~60°C | | | | | |
| Dimension | Product Size (LxWxH) (mm) | 359*234*499 | | | / | 420*295*540 | |
| | Packing Size (LxWxH) (mm) | / | | | / | / | |
| | Net Weight (kg) | / | / | / | / | / | / |
| | Gross Weight (kg) | / | / | / | / | / | / |

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