

All-in-one Energy Storage Solar System

HBP 1800 Series

MUST[®]



1000W / 2000W / 3000W

Pure sine wave inverter

3200WH / 6400WH

BYD LiFePO4 battery pack

4000+

Charge cycle

24/7

UPS Plug & play use

2 USB ports

for DC load

The **MUST HBP 1800 Series** is with a ground-breaking 3200Wh/6400Wh BYD LiFePO4 battery pack and a 1000W/2000W/3000W rated pure sine wave AC inverter. Versatile energy storage system backs up in your home and scales, reliable access to power sources at any time. This class-leading power station brings you the power to run your entire party, family camping trip, cabin workshops, or even your whole house for a day or two in the event of an unexpected outage.



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.



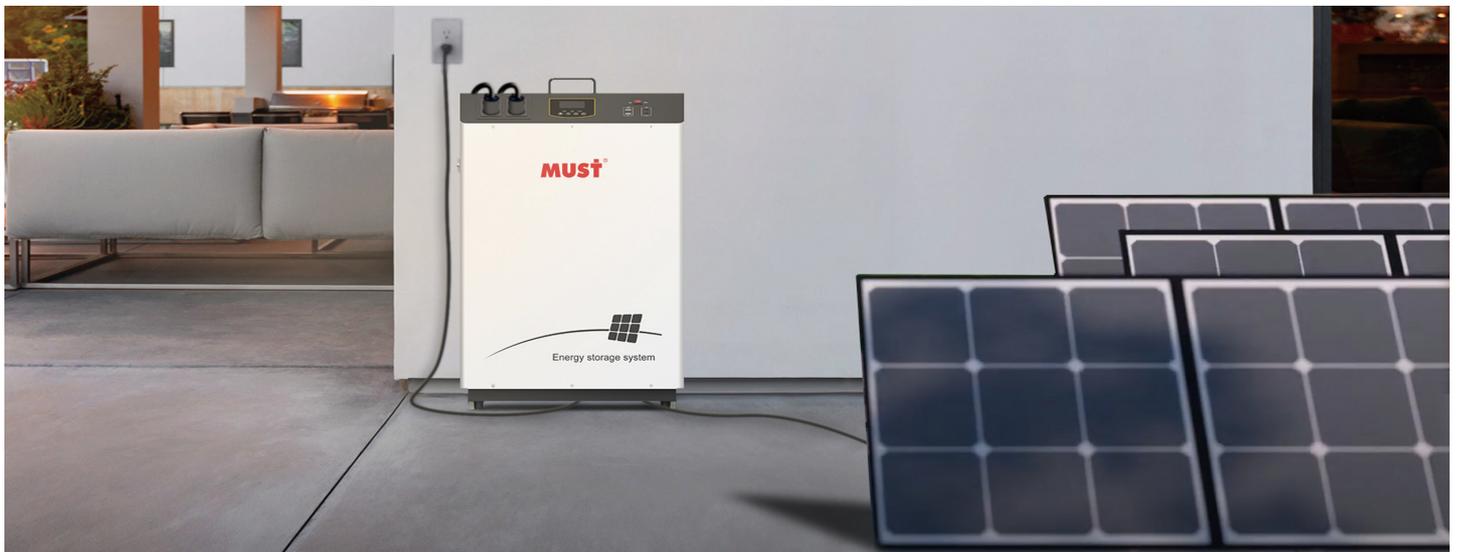
Includes pre-installed solar charging optimization module that functions as a maximum power point tracker (MPPT), resulting in up to 40% faster charge times.



With grade A BYD 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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Specification

MODEL		HBP18-1012	HBP18-2024	HBP18-3024
AC model	Inverter model	1012 60A	2024 60A	3024 60A
	Rated power	1000W	2000W	3000W
	AC input voltage	230Vac ±5%		
	Nominal input frequency	50Hz / 60Hz (Auto detection)		
	Transfer time	10ms typical (UPS, VDE); 20ms typical (APL)		
Inverter model	Output voltage waveform	Pure sine wave		
	Output voltage regulation	230Vac±5%		
	Output frequency	50Hz or 60Hz (±0.2Hz)		
	Peak efficiency	90%		
	Nominal DC input voltage	12Vdc (±0.3)	24Vdc (±0.3)	24Vdc (±0.3)
	Low DC warning voltage	10.7VDC	21.4VDC	21.4VDC
	Low DC warning return voltage	10.6VDC	21.2VDC	21.2VDC
	Low DC cut-off voltage	10.2VDC	20.4VDC	20.4VDC
	High DC recovery voltage	14.5V	29Vdc	29Vdc
	High DC cut-off voltage	15.0V	30Vdc	30Vdc
Standby Consumption	< 25W	< 25W	< 25W	
Utility charging model	Charging current @ Nominal input voltage	10/20A (±4A)	10/20A (±4A)	20A/30A (±4A)
	Charging algorithm	4-step (Li)		
Solar charging model	Max solar power input	900W	1800W	1800W
	PV max charging current	60A (±3A)	60A (±3A)	60A (±3A)
	Combined charging current	70A (±4A)	70A (±4A)	80A (±4A)
	Max efficiency	98.0% max		
	PV array open circuit voltage	75VDC	100VDC	100VDC
	PV Array MPPT Voltage Range	15~75V	30~80VDC	30~80VDC
Output	USB (5V 2.4A)	DC output*2pcs		
	USB (12V DC5.5, 3A)	DC output*1pc		
	AC output	4pcs		
BYD LiFePO4 Battery	Nominal energy	3200Wh	6400Wh	
	Life Cycles	4000+		
	Nominal voltage	12.8V	25.6V	
	Normal charge voltage	14.6V	29.2V	
	Standard charging and discharge current	50.0A	50.0A	
	Maximum continuous charging and discharge current	100.0A	100.0A	
	End of discharge voltage	10.0V	20.0V	
	Operation temperature	Charge	0~45℃	0~45℃
	Discharge	-10~60℃	-10~60℃	

PRODUCT	 Efficient Bulb (5W)	 Rice Cooker (60W)	 Projector (100W)	 Cellphone (180W max)	 Laptop (30W-fully charged)	 32 Inch Lcd TV (60W)	 Microwave (650W)
HBP18-1012	640 HRS	6.4 HRS	3.2 HRS	177 Times	106 Times	53 HRS	5 HRS
HBP18-2024 HBP18-3024	1280 HRS	12.8 HRS	6.4 HRS	354 Times	212 Times	106 HRS	10 HRS