

ALL-IN-ONE ENERGY STORAGE SOLAR SYSTEM

May the power be with you



HBP1800 Series

MUST HBP1800 series all-in-one energy storage solution, support 1~3KW output for different load appliances. It's based on the original cabinet design, stacked with solar energy storage lithium battery 960wh~6400wh, 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~6400wh Optional
Energy storage

6000+
Charge cycle @ 80% DOD,25°C

24/7
UPS Plug & play use

11 Output 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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MUST®

Specifications

MODEL			HBP18-1012		HBP18-2024		HBP18-3024		
Inverter	Rated power		1000W		2000W		3000W		
	Surge power		2000W		4000W		6000W		
	Output voltage waveform		Pure sine wave						
	Output voltage regulation		220~240Vac(setting)						
	Output frequency		50Hz / 60Hz (±0.2Hz)						
	Peak efficiency		90~93%						
	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		160VDC		
	PV Array MPPT Voltage Range		15~105V		30~120VDC		30~128VDC		
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		10A (±4A)		20A/(±4A)		60A (±4A)		
	Charging Algorithm		4-step (Li)						
Output	AC output		230Vac (Socket *4pcs)						
	Type-C		DC output*1pcs						
	USB (5V 2.4A)		DC output*4pcs						
	USB (12V 1A)		DC output*2pcs						
Lithium Battery	Energy		960Wh	1280Wh	1920Wh	2560Wh	2560Wh	3072Wh	6400Wh
	Nominal voltage		12.8V		25.6V		25.6V		
	Battery capacity		75Ah	100Ah	75Ah	100Ah	100Ah	120Ah	250Ah
	Protection board		100A		100A		140A		
	Standard charging & discharge current		50A	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*280*497	460*411*539
	Packing Size (LxWxH) (mm)		460*335*560				/	522*382*655	570*521*702
	Net Weight (kg)		19	21	28	30	/	36	/
	Gross Weight (kg)		28	30	37	41	/	45	/

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