

ALL-IN-ONE ENERGY STORAGE SOLAR SYSTEM

May the power be with you



HBP1800 Series

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~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~3072wh Optional
Energy storage

4000+
Charge cycle

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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Specification

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)						
	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	3072Wh
	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			/	/	/	
	Packing Size (LxWxH) (mm)	/			/	/	/	
	Net Weight (kg)	/	/	/	/	/	/	
	Gross Weight (kg)	/	/	/	/	/	/	

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

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