

ALL-IN-ONE ENERGY STORAGE SOLAR SYSTEM



May the power be with you



BP1800 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~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	HBP18-3024
Inverter	Rated power	1000W	3000W
	Output voltage waveform	Pure sine wave	
	Output voltage regulation	230Vac $\pm 5\%$	
	Output frequency	50Hz / 60Hz ($\pm 0.2\text{Hz}$)	
	Peak efficiency	90%	
	Nominal DC input voltage	12Vdc (± 0.3)	24Vdc (± 0.3)
	Standby Consumption	< 25W	
PV Input	Max solar power input	900W	1800W
	PV max charging current	60A ($\pm 3\text{A}$)	60A ($\pm 3\text{A}$)
	Combined charging current	70A ($\pm 4\text{A}$)	80A ($\pm 4\text{A}$)
	Max efficiency		
	PV array open circuit voltage	105VDC	145VDC
	PV Array MPPT Voltage Range	15~105V	30~120VDC
AC Input	AC input voltage	230Vac $\pm 5\%$	
	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 ($\pm 4\text{A}$)	20A/30A ($\pm 4\text{A}$)
	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	2560Wh
	Nominal voltage	12.8V	25.6V
	Battery capacity	75Ah	100Ah
	Protection board	100A	
	Standard charging & discharge current	50A	50A
	Operation temperature	0~45°C	
Dimension	Product Size (LxWxH) (mm)	379*254*499	351*300*539
	Packing Size (LxWxH) (mm)	495*365*680	590*545*725
	Net Weight (kg)	/ 23	/ /
	Gross Weight (kg)	/ 32.8	/ /

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