

# 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

960wh~3072wh Optional

Pure sine wave Inverter

Energy storage

4000+

24/7

2 USB ports

Charge cycle

UPS Plug & play use

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

Inverter	Rated power	1000W	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)		
	Standby Consumption	< 25W			
PV Input	Max solar power input	900W	1800W		
	PV max charging current	60A (±3A)	60A (±3A)		
	Combined charging current	70A (±4A)	80A (±4A)		
	Max efficiency				
	PV array open circuit voltage	105VDC	145VDC		
	PV Array MPPT Voltage Range	15~105V	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)		
	Charging Algorithm	4-step (Li)			
Output	AC output	230Vac (Socket *4pcs)			
	USB (5V 2.4A)	DC output*2pos			
	USB (12V 1A)	DC output*1pos			
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	Charge	0~45°C		
Discharge		-10~60°C			
Dimension	Product Size (LxWxH) (mm)	379*254*499	351*300*539		
	Packing Size (LxWxH) (mm)	495*365*680	580*545*725		
	Net Weight (kg)	/	23	/	/
	Gross Weight (kg)	/	32.8	/	/

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