

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 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

1280wh~3200wh 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	HBP18-2024	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		
	USB (5V 2.4A)	DC output*2pcs		
	USB (12V 1A)	DC output*1pcs		
Lithium Battery	Energy	1280Wh	2560Wh	3200Wh
	Nominal voltage	12.8V	25.6V	25.6V
	Standard charging & discharge current	50A	50A	50A
	Maximum continuous charging & discharge current	100A	100A	100A
	Operation temperature	Charge	0~45°C	
Discharge		-10~60°C		
Dimension	Product Size (LxWxH) (mm)	379*254*498.5	379*254*498.5	351*300*538.5
	Packing Size (LxWxH) (mm)	467*342*670	467*342*670	439*388*690
	Net Weight (kg)	24	/	39.5
	Gross Weight (kg)	35	/	55

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

Goscor Power Products (Pty) Ltd

Web : www.goscor-power-products.co.za

Tel : 087 542 0256 / 087 806 6872

Shop : www.offgridpowersolutions.co.za

Email : powerproducts@goscor.co.za