








ALL -IN-ONE ENERGY STORAGE SOLAR SYSTEM

HBP1800 - U SERIES



Specifications

	MODEL	HBP18-1012-U	HBP18-2024-U
	Rated Power	1000W	2000W
Inverter	Output voltage waveform	Pure sine wave	
	Output voltage regulation	230Vac ±5%	
	Output frequency	50Hz / 60Hz (±0.2Hz)	
	Peak efficiency	90%	
	Normal 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)	70A (±4A)
	Max efficiency	98.0% max	
	PV array open circuit voltage	105VDC	120VDC
	PV Array MPPT Voltage Range	15~75V	30~80VDC
AC Input	AC input voltage	230Vac ±5%	
	Acceptance input voltage range	90-280VAC	
	Nominal input frequency	50Hz / 60Hz (Auto detection)	
	Transfer time	10ms typical (UPS, VDE): 20ms typical (APL)	
	Charging current @ Nominal input voltage	10/20A (±4A)	10/20A (±4A)
Output	Charging Algorithm	4-step(Li)	
	AC output	230VAC	
	USB (5V 2.4A)	DC output*2pcs	
	USB (12V 1A)	DC output*1pcs	
	Energy	1280Wh	2560Wh
	Nominal voltage	12.8V	25.6V
	Battery capacity	100Ah	100Ah
	Standard charging and discharge current	50A	50A
	Maximum continuous charging & discharge current	100A	100A
Dimension	Operation temperature	Charge Discharge	0~45°C -10~60°C
	Product Size (LxWxH) (mm)	379 * 254 * 499	
	Packaging Size (LxWxH) (mm)	495 * 365 * 680	
	NETT Weight (kg)	23kg	31kg
	Gross Weight (Kg)	32.8kg	42.7kg

Product	Energy	 Efficient Bulb (5W)	 Fan (45W)	 Rice Cooker (60W)	 Laptop (30W fully charged)	 32 Inch LCD TV (60W)	 Refrigeration (140W)	 Microwave (650W)
SOL-HBP18-1012-U	1280Wh	200 HRS	22 HRS	16 HRS	33 HRS	16 HRS	7 HRS	1.5 HRS
SOL-HBP18-2024-U	2560Wh	400 HRS	44 HRS	32 HRS	66 HRS	32HRS	14 HRS	3 HRS