



**ENERGY STORAGE
INVERTER**
BH ULTRA SERIES

ENERGY STORAGE INVERTER BH ULTRA 4000VA~11000VA

FEATURES

- Lithium Battery Auto-restart Function, More Convenient for Lithium Battery Charging
- Intelligent Power Supply Mode, Intelligent Distribution of Solar Panel/Mains/Battery Power Shares
- Utility Charging Voltage/PV Charging Voltage Adjustable, Match Different Battery Charging Requirements
- Slim Body, Convenient Installation And Transportation
- Battery Reverse Connection Protection with Fuse Switch, Safer Installation
- PF1.0, High Efficiency, Lower Consumption, Energy Conservation/ Environmental Protection/Electricity Saving/Cost Saving
- Support Working without Battery: Reduce Solar System Cost
- Parallel Function Up to Maximum 9 Units: Enlarge More Loads
- High Precision of Output Voltage, ±5%, Take Care of Your Appliances
- Communication Option: External WIFI, Supervise at Any Time
- BMS function for lithium battery



APPLICATION



Commercial car park



Street lighting/monitoring



Family/greenhouse



Commercial/construction

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PARAMETERS

Model	BH4024SMH	BH6248SMH	BH8648SMH	BH11048SMH
Input Formation	L+N+PE			
AC Input	220/230/240VAC			
Input Voltage Range	90-280VAC±3V(Normal Mode) 170-280VAC±3V (UPS Mode)			
Frequency	50/60Hz(Adaptive)			
Rated Power	4000W	6200W	8600W	11000W
Dual Output Power	4000W/4500W	6200W/6500W	8600W/11000W	8600W/12000W
Output Voltage(AC)	220/230/240VAC±5%			
Output Frequency	50/60Hz±0.1%			
Output Wave	Pure Sine Wave			
Transfer Time(Adjustable)	10ms for Computer Equipment, 20ms for Household Equipment			
Peak Power	8000VA	12400VA	17200VA	22000VA
Overload Ability	Battery Mode: 11s@105%~150% Load; 2s@150%~200% Load; 400ms@>200% Load			
Grid connected Operation	Output Voltage	220/230/240VAC±5% (Feed-in Grid Voltage Range:195~253VAC)		
	Grid Voltage Range	170-265VAC		
	Grid Frequency Range	49-51±1Hz/59-61±1Hz		
	Power Factor Range	>0.99		
	Max efficiency (DC/AC)	98%		
Rated Voltage	24VDC	48VDC		
Constant Charging Voltage	28.2VDC	56.4Vdc		
Float Charging Voltage	27VDC	54VDC		
PV Charging Method	MPPT		2*MPPT	
Max PV Input Power	6500W	8500W	2*6500W	2*7500W
PV Input Voltage Range	60~500VDC	60~500VDC	90~500VDC	90~500VDC
MAX PV Input Voltage	500VDC	500VDC	500VDC	500VDC
MAX PV Input Current	27A	27A	27A/27A	27A/27A
MAX PV Charge Current	120A	120A	150A	150A
MAX AC Charge Current	100A	100A	150A	150A
MAX Charge Current	120A	120A	150A	150A
LCD	Can display operating mode/load/input/output			
RS232	5PIN/Pitch2.54mm,Baud Rate 2400			
Expansion Slot Communication Interface	Lithium Battery BMS Communication Card,WIFI 2*5PIN/Pitch2.54mm			
Parallel Interface	Not Support Parallel	Support Parallel		
Operating Temperature	-10°C~50°C			
Storage Temperature	-15°C~60°C			
Ork Altitude	No more than 1000m, If 1000m<,Rate power will lower, MAX 4000m, Refer			
Operating Environment Humidity	Non Condensing			
Noise	<50dB			
L*W*H(mm)	483x313x143mm		570.8x471x148.2mm	