

INVERTER WITH LITHIUM BATTERY STORAGE

May the power be with you



HB1800 PLUS Series

HB1800 PLUS energy storage system, including 4kw 5kw 48vdc power inverter and a lithium battery storage with 10kwh-25kwh energy optional. it is a one-stop service system can manage your solar home battery storage system more conveniently. Flexible modular system can be designed based on house daily consumption.

The perfect emergency energy solution for villas, apartments, hotels, shopping centers.



CONVENIENT APPLICATION

Easy plug-in installation



MODULAR DESIGN

Support 2 stacked ~ 5 stacked energy storage



HIGH POWER

Power for all applications

- + Stacked movable energy storage systems.
- + Rechargeable lithium batteries use safe lithium cell LiFePO4.
- + The intelligent BMS system adopts the latest battery communication system.
- + Flexible investment with 5.12kWh modular design, scalable from 10.24kWh to 25.6kWh.
- + The battery capacity can be increased freely and flexibly according to the situation of home use.
- + Reduce electricity bills and increase your energy needs for electrical self-sufficiency.

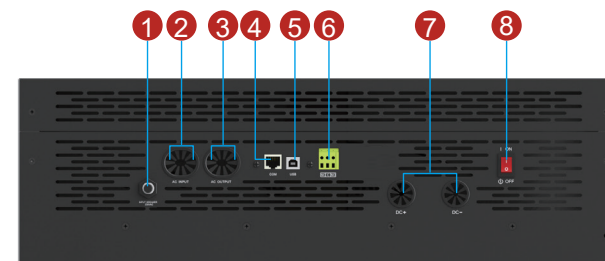
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MUST®

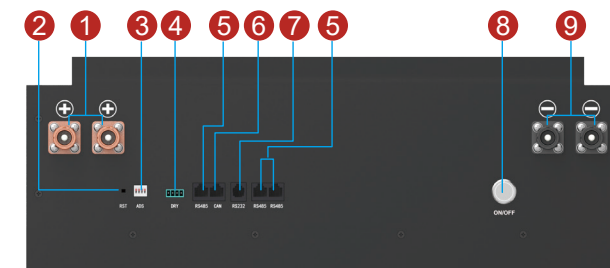
Specifications

MODEL		HB18-4048 PLUS	HB18-5048 PLUS
Inverter	Rated power	4000W	5000W
	Output voltage waveform	Pure sine wave	
	Output voltage regulation	230Vac±5%	
	Output frequency	50Hz or 60Hz (±0.2Hz)	
	Peak efficiency	90%	
	Nominal DC input voltage	48Vdc	48Vdc
	Standby Consumption	< 25W	
AC Input	AC input voltage	230Vac ±5%	
	Acceptable input voltage range	170~280VAC	
	Nominal input frequency	50Hz / 60Hz (Auto detection)	
	Transfer time	10ms typical (UPS, VDE); 20ms typical (APL)	
AC Charge	Charging current @ Nominal input voltage	60A-60A	20A-30A
	Charging Algorithm	4-step (Li)	
Output	AC output	230Vac (Socket *4pcs)	
	USB (5V 2.4A)	DC output*2pcs	
	USB (12V DC5.5, 3A)	DC output*1pc	
Lithium Battery	Energy	10240Wh / 15360Wh / 20480Wh / 25600Wh	
	Nominal voltage	51.2V	
	Battery capacity	200AH/300AH/400AH/500AH	
	Standard charging and discharge current	100A	
	Maximum continuous charging & discharge current	100A	
	Operation ambient temperature	Charge Discharge	0~45°C -20~55°C
Dimension	Product Size (LxWxH)	/	/
	Packing Size (LxWxH)	/	/
	Net Weight	/	/
	Gross Weight	/	/

Pic of Input & Output Port



1. Circuit breaker
2. AC input
3. AC output
4. RS485 communication port
5. USB port
6. Dry contact
7. Battery input
8. Power on/off switch



1. BAT+
2. RST port
3. ADS port
4. DRY port
5. RS485 communication port
6. RS232 communication port
7. CAN port
8. ON/OFF indicator
9. BAT-

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