

# INVERTER WITH LITHIUM BATTERY STORAGE

May the power be with you

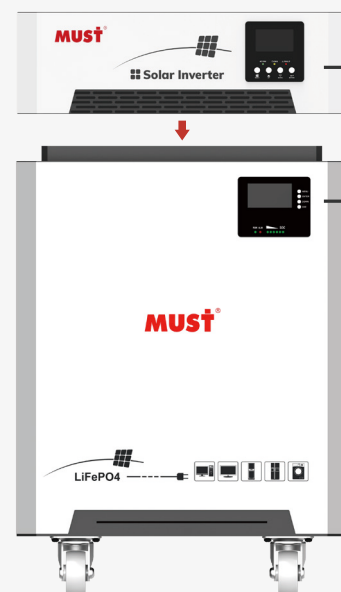
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## HBP1800 LV Series

HBP1800 LV energy storage system ESS solution, including kw 48vdc solar 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.



### Inverter Module

The MUST PV1800 LHM series 120V High Frequency Off Grid Solar Inverter can output the direct current(DC) from the rooftop solar PV array into alternating current(AC), so your home or business loading can use it directly.

### Battery Module

HBP1800 series is with ground-breaking BYD LiFePO4 battery pack inside, with multi battery protection inbuilt, it's used for multi power solutions in many fields.

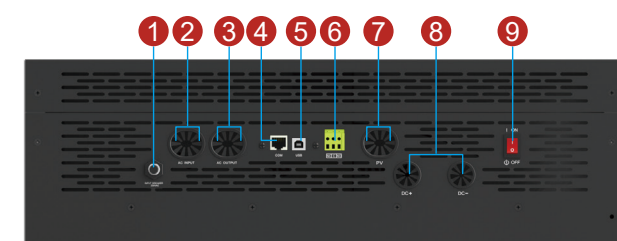
## INVERTER WITH LITHIUM BATTERY STORAGE HBP1800 LV SERIES

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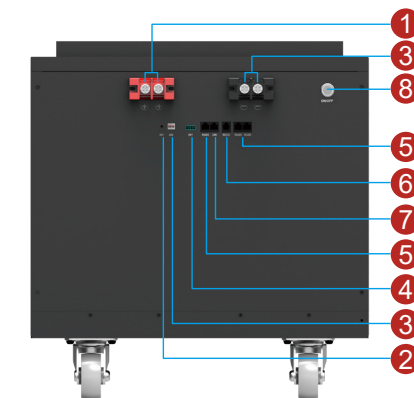
### Specifications

MODEL		HBP18-3048 LV
Inverter	Rated power	3000W
	Output voltage waveform	Pure sine wave
	Output voltage regulation	(100Vac-120Vac)±5%
	Output frequency	50Hz or 60Hz (±0.2Hz)
	Peak efficiency	93%
	Nominal DC input voltage	36Vdc
	Standby Consumption	<25W
PV Input	Max solar power input	3000W
	PV max charging current	80A
	Combined charging current	140A
	Max efficiency	98.0% max
	PV array open circuit voltage	145Vdc
	PV Array MPPT Voltage Range	30~120Vdc
AC Input	AC input voltage	120Vac ±5%
	Acceptable input voltage range	90~145VAC(UPS), 60~145VAC(APL), 107~132VAC(VDE4105)
	Nominal input frequency	50Hz / 60Hz (Auto detection)
	Transfer time	10ms typical (UPS, VDE); 20ms typical (APL)
AC Charge	Charging current @ Nominal input voltage	60A
	Charging Algorithm	4-step (Li)
Output	AC output	Terminal
	USB (5V 2.4A)	DC output*2pcs
	USB (12V DC5.5, 3A)	DC output*1pcs
Lithium Battery	Energy	9600Wh
	Nominal voltage	38.4V
	Battery capacity	250Ah
	Standard charging and discharge current	100A
	Maximum continuous charging & discharge current	100A
	Operation ambient temperature	-10~50°C
	Storage ambient temperature	-20~55°C
Dimension	Product Size (LxWxH)	/
	Packing Size (LxWxH)	/
	Net Weight	87
	Gross Weight	105

### 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. PV input
8. Battery input
9. 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