SOLAR INVERTER WITH LITHIUM BATTERY SOLUTION

iON

May the power be with you

ALL-IN ONE INVERTER

ALL-IN ONE Lithium Battery

IONHBP3000 Series

The IONHBP3000 Series is with a ground-breaking LiFePO4 battery pack 6.4kwh and 12.8kwh energy storage, pure sine wave solar inverter inbuilt. Versatile energy storage system as your home strong back up, reliable access to power sources anytime. This class-leading power station brings you the power to run your daily consumes, family camping trip, cabin workshops, or even whole house for a day or two days power back up depending on your demands.

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Inverter Module
Low Frequency 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
The MUST HBP3000 LV Series is with a ground-breaking LiFePO4 battery pack, that offers multiple energy storage options through, which further simplifies installation and O&M with multiple smart functions.
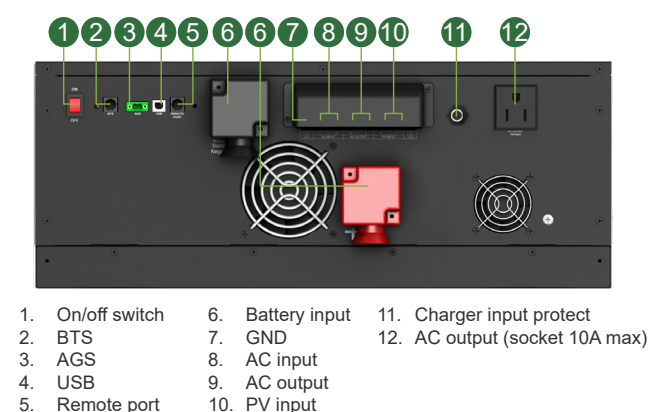

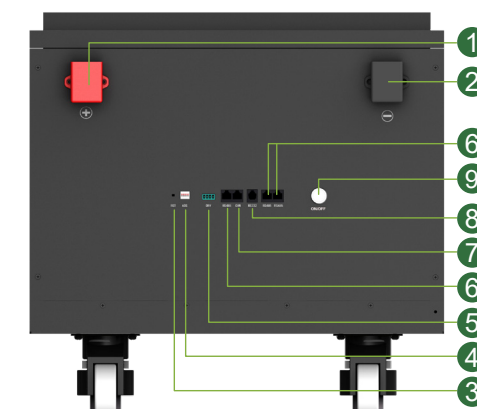## SOLAR INVERTER WITH LITHIUM BATTERY SOLUTION
IONHBP3000 SERIES

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Specifications

MODEL		IONHBP30-1524	IONHBP30-1524 PRO
Inverter	Rated power	1500W	1500W
	Output voltage waveform	Pure sine wave	
	Output voltage regulation	110V/115V/120V ±10%	
	Output frequency	50Hz or 60Hz (±0.2Hz)	
	Peak efficiency	88%	
	Nominal DC input voltage	24Vdc	
	Standby Consumption	< 2W	
PV Input	Max solar power input	/	2500W
	PV max charging current	/	80A
	Combined charging current	/	80A
	Max efficiency	/	98% max
	PV array open circuit voltage	/	145V
	PV Array MPPT Voltage Range	/	32~130VDC
AC Input	AC input voltage	120Vac ±5%	
	Acceptable input voltage range	96~132VAC	
	Nominal input frequency	50Hz / 60Hz (Auto detection)	
	Transfer time	10ms(max)	
AC Charge	Charging current @ Nominal input voltage	25A	25A
	Charging Algorithm	4-step (Li)	
Output	AC output	Terminal & Socket (10A max)	
Lithium Battery	Energy	3072wh	
	Nominal voltage	25.6V	
	Battery capacity	120Ah	
	Standard charging and discharge current	100A	
	Maximum continuous charging & discharge current	100A	
	Operation ambient temperature — Charge	-10~50℃	
	Operation ambient temperature — Discharge	-20~55℃	

Pic of Input & Output Port

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

1. On/off switch
2. BTS
3. AGS
4. USB
5. Remote port
6. Battery input
7. GND
8. AC input
9. AC output
10. PV input
11. Charger input protect
12. AC output (socket 10A max)

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