

SOLAR INVERTER WITH LITHIUM BATTERY SOLUTION

May the power be with you



PBHBP3000 LV Series

The PBHBP3000 LV 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.



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

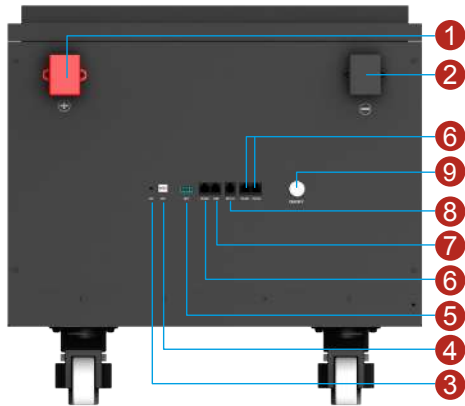
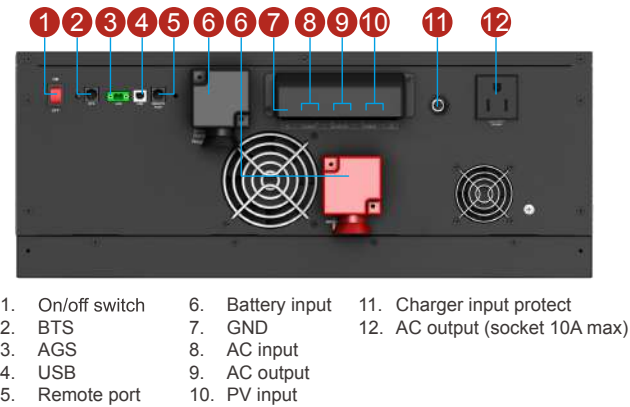
The HBP3000 LV Series is with a ground-breaking LiFePO4 battery pack, that offers multiple energy storage options through, which further simplifies installation and O&M with multiple smart functions.

SOLAR INVERTER WITH LITHIUM BATTERY SOLUTION PBHBP3000 LV SERIES (AC:110V 2-6KW)

Specifications

MODEL			PBHBP30-2024 LV	PBHBP30-3024 LV	PBHBP30-5048 LV	PBHBP30-6048 LV
Inverter	Rated power		2000W	3000W	5000W	6000W
	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		48Vdc	
	Standby Consumption		< 2W			
PV Input	Max solar power input		2500W		5000W	
	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		64~130VDC	
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		30A	40A	35A	40A
	Charging Algorithm		4-step (Li)			
Output	AC output		Terminal & Socket (10A max)			
Lithium Battery	Energy		6400wh		12800wh	
	Nominal voltage		25.6V		51.2V	
	Battery capacity		250Ah			
	Standard charging and discharge current		100A			
	Maximum continuous charging & discharge current		100A			
	Operation ambient temperature	Charge	-10~50			
		Discharge	-20~55			

Pic of Input & Output Port



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