

# ALL IN ONE ESS SOLAR INVERTER WITH LITHIUM BATTERY SOLUTION

May the power be with you

**MUST**



## HBP3300 TLV Series

The MUST HBP3300 TLV 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 single phase 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 HBP3300 TLV 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.

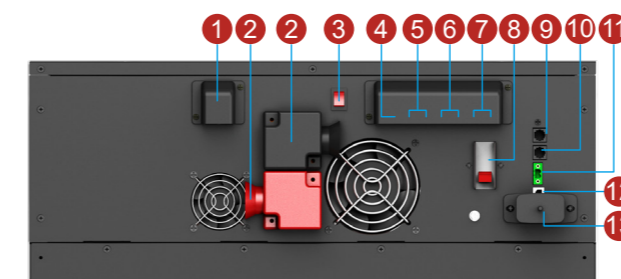
## ALL IN ONE ESS SOLAR INVERTER WITH LITHIUM BATTERY SOLUTION HBP3300 TLV SERIES (AC:110V+110V 2-6KW)

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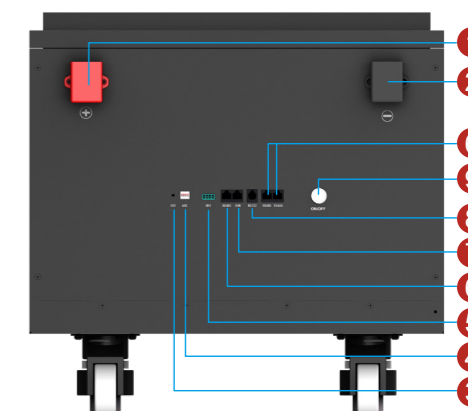
### Specifications

MODEL		HBP33-2024 TLV	HBP33-3024 TLV	HBP33-5048 TLV	HBP33-6048 TLV
Inverter	Rated power	2000W	3000W	5000W	6000W
	Output voltage waveform	Pure sine wave			
	Output voltage regulation	100V / 110V / 120VAC (200V/220V/ 240VAC, L+L) ±10%			
	Output frequency	50Hz or 60Hz (±0.2Hz)			
	Peak efficiency	85%			
	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	145VDC			
AC Input	PV Array MPPT Voltage Range	30~130VDC			64~130VDC
	AC input voltage	200/220/240VAC			
	Acceptable input voltage range	155~280VAC			
	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)			
	Energy	6400wh			12800wh
Lithium Battery	Nominal voltage	25.6V			51.2V
	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) (mm)	/	/	/
Package Size (LxWxH) (mm)		/	/	/	/
Net Weight		73	75	/	/
Gross Weight		88	90	/	/

### Pic of Input & Output Port



- AC output (socket 10A max)
- Battery input
- On/off switch
- GND
- AC input
- AC output
- PV input
- Charger input protect
- BTS
- AGS
- USB
- Remote port
- WiFi port (optional)



- BAT+
- BAT-
- RST port
- ADS port
- DRY port
- RS485 communication port
- CAN port
- RS232 communication port
- ON/OFF indicator

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