

# PURE SINE WAVE INVERTER

## 3000W Pure Sinewave Power Inverter

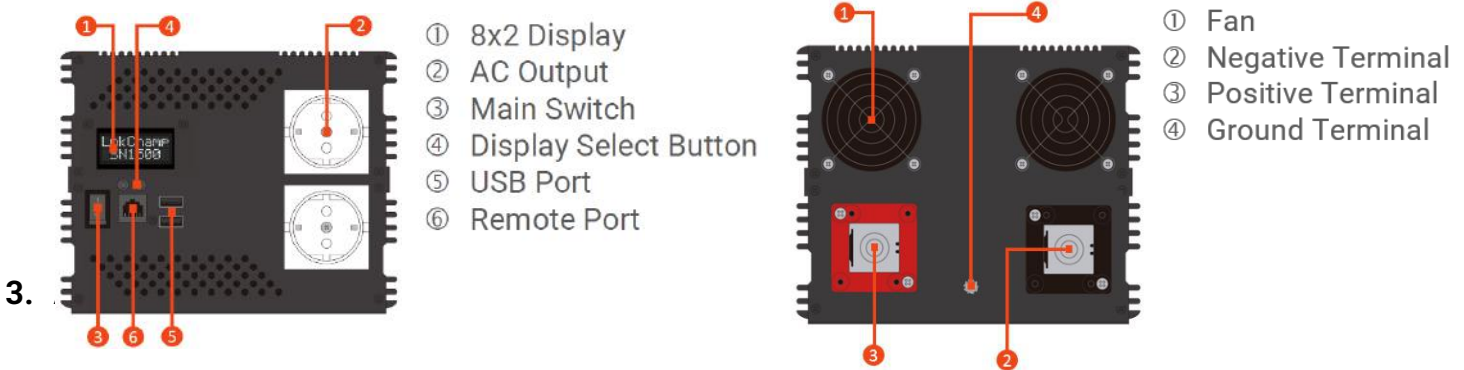
DC 12V (10~15V) AC 230V (220~240V)

PLEASE READ THE INSTRUCTION MANUAL BEFORE USE

### 1. Introduction

The SN-BT Series - Pure Sine Wave Power Inverter is our flagship product that works with our free iOS/Android app, equips with a Smart Display and QC3.0 USB. With high-efficiency output of 3000W and minimalistic aesthetic design, we provide our very best to the users.

### 2. Product Diagram



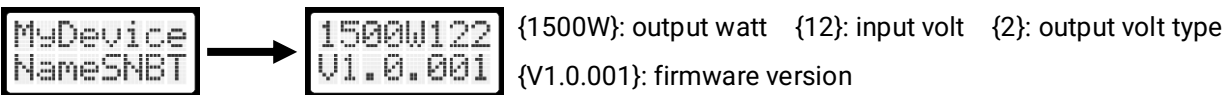
<p><b>Android</b></p> <p><a href="http://www.linkup-get.app/android">www.linkup-get.app/android</a></p> 	<p><b>iOS</b></p> <p><a href="http://www.linkup-get.app/ios">www.linkup-get.app/ios</a></p> 
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### 4. Product Features

<ul style="list-style-type: none"> <li>Smartphone Connectivity</li> <li>Smart Display</li> <li>USB Quick Charge 3.0</li> <li>Settings Fully Adjustable by App</li> <li>Energy Saving Mode</li> </ul>	<ul style="list-style-type: none"> <li>Intelligent Fan Control</li> <li>Multi Pre-Alarm &amp; Shutdown Alarm Protections: Battery Type Detection / Low Voltage / Short Circuit / Overheat / Overload</li> </ul>
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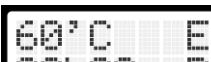


### 5. Display Screen

#### Welcome Screen



Device Name

## Main (Press Display button to switch pages)

Input Voltage	->		<- (E)nergy Saving / (S)tandard Mode		
Output Watts* ->			Bluetooth Connection		
Output Hz	->		Temperature	->	
Output Volt Type	->		Countdown Timer	->	

\* The output wattage is about  $\pm 5\%$  and for reference only. Please use a dedicated AC power meter if a precise value is needed.

## Protections

Pre-Alarm **<!>** : Low Voltage, Overload, Overtemp

Shutdown **(X)** : Low Voltage, Overload, Overtemp, Short Circuit, High Voltage

Example:



## Settings

**By App:** When the setting is adjusted thru App, the display will temporarily showcase the configuration. Example:



**By Display Button:** User can change settings. For more information, please visit the website for detailed display menu instruction: <https://linkup-get.app/instruction>

## 6. Installation



### Connect Battery (CAUTION: DO NOT REVERSE INPUT)

Use the **RED** battery cord to connect from (+) of the positive terminal to (+) of the DC battery. Then, Use the **BLACK** battery cord to connect from (-) of the negative terminal to (-) of the DC battery.

### Connect Chassis Earth

The chassis earth lug should be connected to an earth point, which will vary depending on where the power inverter is installed. In a vehicle, connect the chassis ground lug to the chassis of the vehicle. In a boat, connect to the boat's ground system. In a fixed location, connect to earth.

### Connect Remote Switch (Optional)

Connect the remote plug to the remote port in the front panel. Turn the inverter power switch from Off (  ) to the Remote Mode (  ). When in remote mode, the inverter's main power will be controlled by the remote switch.

## 7. Operation

### Power On

When connected to any appliance, be sure to turn on the inverter first. Then, turn on the power switch of the appliance.

### Energy-Saving Mode

Under energy-saving mode, the inverter will detect AC output every 4~6 seconds thus causing a 4~6 seconds delay to start up. When using power tools such as drill, electric saw, mower, ...etc., we suggest switching to normal mode for better response time.

### Long Hours Operation

When the inverter operates in full output capacity for a long period, the temperature of the inverter will increase and potentially shutdown by the over-temperature protection. Therefore, it is recommended to reduce the AC output capacity if a long continuous operating time is required.

## Applications \*

**Digital:** Mobile phone, tablet, computer, camera. **Travel:** Drone, coffee machine, microwave oven, refrigerator.

**Industrial:** Electric drill, vacuum cleaner, electric chainsaw, pump

\* Applications are for reference only. The actual appliance wattages might vary on different brands. To avoid any potential damage to the inverter, please carefully read the manual and specification of the appliances before connecting to the inverter.

## 8. Specification

System	Model: SN-3000BT
Continuous Power	3000W
Surge Power	6000W
Output Voltage	220/230/240 VAC <b>APP</b>
Output Waveform	Pure Sine Wave
Total Harmonic Distortion	< 3%
Output USB Port	QC3.0 x 2 Ports
Standby Current (Normal Mode)	DC 12V: < 2.5A;
Standby Current (Saving Mode)	DC 12V: < 0.15A
Output Regulation	< ±5% Intelligent PWM
Output Frequency	50/60 Hz <b>APP</b>
Input Voltage	DC 12V: 10~15V;
Efficiency	> 85%
<b>Protection</b>	
Input Polarity Reverse Protection	Fuse
Input Low Voltage Pre-Alarm	DC 12V: < 11.0V ± 0.5V ;
Input Low Voltage Shutdown	DC 12V: < 10.0V ± 0.5V ;
Output Short Circuit Protection	YES
Output Overheat Protection	> 70°C ~ <b>80°C</b> Pre-Alarm, > 75°C ~ <b>95°C</b> Shutdown & Alarm <b>APP</b>
Output Overload Protection	> 80% ~ <b>110%</b> Pre-Alarm, > 90% ~ <b>120%</b> Shutdown & Alarm <b>APP</b>
Cooling	Intelligent Fan <b>APP</b>
<b>Mechanical</b>	
Fuse	DC 12V: 25A x 14PCS;
AC Outlets	2x UK Plug
Dimension (L x W x H)	430 x 200 x 157 mm
Net Weight	9.0 kgs
Key: <b>APP</b> Adjustable by App	

## 9. Safety

- ⊗ DO NOT use the inverter near any flammable substance
- ⊗ DO NOT place the inverter near any water, moisture, oil or grease
- ⊗ DO NOT expose the inverter to direct sunlight or heat source
- ⚠ Make sure to provide adequate ventilation to the inverter
- ⚠ Make sure to keep the inverter out of reach from children

## 10. Troubleshooting

If the inverter does not appear to be functioning properly, there are several reasons why the inverter may not be responding and the potential solutions to fix it.

### ■ No output power

Check if all the contact parts are connected thoroughly

Check if the fuse has been damaged/burned. The fuse is located on the PCB board.

Check the receptacle wiring. Repair if necessary.

### ■ Overload caused AC output to reduce or shutdown

Reduce the wattage of your load to lower than maximum continuous output power

### ■ Thermal caused AC output to reduce or shutdown

Turn off the inverter. Then, reduce the load or wait until the inverter cooldown. Lastly, turn the inverter back on.

### ■ Low battery shutdown Recharge your battery and resume operation.

### ■ Forget Pin code Reset the inverter will clear the Pin code, please follow the "Settings Reset" below.

### ■ Settings Reset

**Steps:** Turn off the inverter. Press and hold the display button. Turn on the inverter while keep holding the display button.

After 5 seconds, the display will show "SETTINGS RESET". Release the display button and the settings reset is completed.

**Result:** This operation will reset all the configurations on the inverter including but not limited to: energy-saving mode, output frequency, buzzer, output voltage type, timer settings.

### ■ Factory Reset

**Steps:** Turn off the inverter. Press and hold the display button. Turn on the inverter while keep holding the display button.

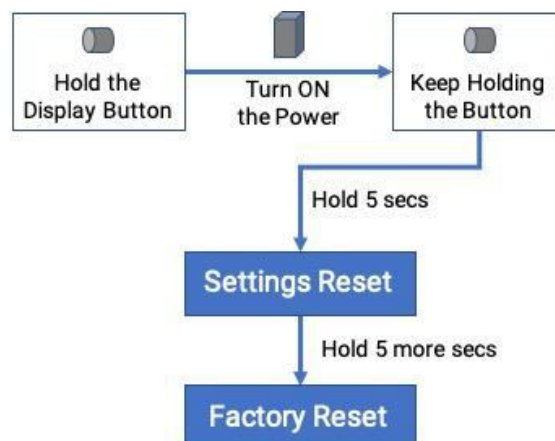
After 5 seconds, the display will show "SETTINGS RESET". Continue to hold the display button. After 10 seconds, the display will show "FACTORY RESET". Release the display button and the factory reset is completed.

**Result:** This operation will reset the firmware on the inverter back to original factory firmware.

### User Flow:

(  Display Button)

(  Power Switch)



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