

BAP Series Inverter

Installation instructions

An inverter is an electronic device that converts direct current (DC) into alternating current (AC). To ensure successful operation of an off-grid inverter, follow these key steps:

Battery Compatibility

- Use batteries with matched capacity to the inverter's requirements.
- Verify correct polarity connections (positive to positive, negative to negative) to prevent circuit damage.

Power Inverter Selection

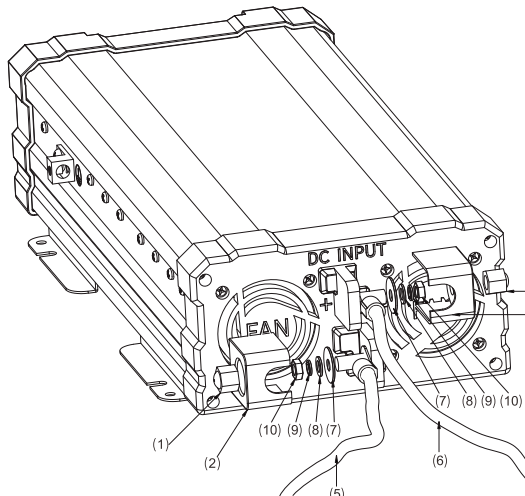
- Calculate the total power consumption of all connected equipment.
- Choose an inverter with a rated output power 20-30% higher than the total load to account for startup surges.

Environmental Requirements

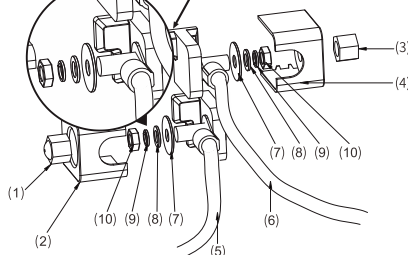
- Ensure adequate ventilation around the inverter to avoid overheating.
- Install the device in a dry, dust-free environment to minimize corrosion and electrical hazards.

Note: This product comes with spare fuses. Normally, these fuses do not need to be installed. If the positive and negative terminals of the input wires are accidentally reversed, resulting in a damaged fuse, try replacing the damaged fuse with a spare one.

Overview of the DC Connection Terminals



! When installing, please tighten the connecting terminals with a wrench. If not tightened, the terminals are not tightened against the terminals, which will cause the connecting wires to become hot, and the terminals can be seriously burned.



Enlarged View of Detail Display

Component Name

- | | |
|--------------------------------|-----------------------|
| (1) Black Protective Cover Nut | (6) Red Terminal Wire |
| (2) Black Protective Cover | (7) Large Flat Gasket |
| (3) Red Protective Cover Nut | (8) Small Flat Gasket |
| (4) Red Protective Cover | (9) Spring Gasket |
| (5) Black Terminal Wire | (10) Nut |

— 1 —

DC Terminal Wiring Procedure

DC Positive Wiring Procedure:

1. Connect (6) to DC INPUT + (Red).
2. Put (7), (8) and (9) in order into DC INPUT + (Red) (In the order shown above).
3. Lock the connecting wire (6) with (10).



When installing, please tighten the connecting terminals with a wrench. If not tightened, the terminals are not tightened against the terminals, which will cause the connecting wires to become hot, and the terminals can be seriously burned.

4. Put (4) into DC INPUT + (Red).
5. Lock (4) with (3).

DC Negative Terminal Wiring Procedure:

1. Connect (5) to DC INPUT — (Black).
2. Put (7), (8) and (9) in order into DC INPUT — (Black) (In the order shown above).
3. Lock the connecting wire (5) with (10).

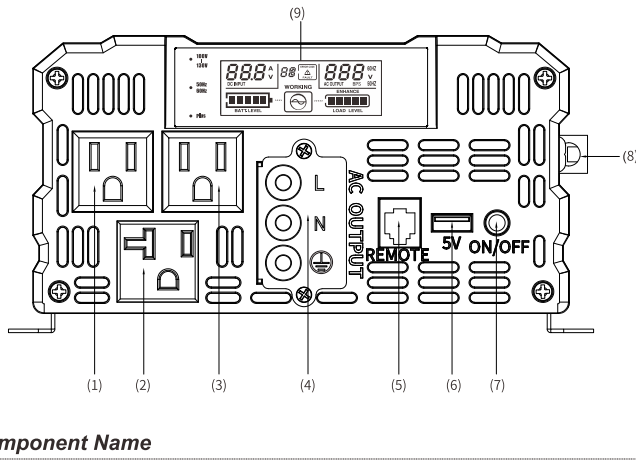


When installing, please tighten the connecting terminals with a wrench. If not tightened, the terminals are not tightened against the terminals, which will cause the connecting wires to become hot, and the terminals can be seriously burned.

4. Cover (2) with DC INPUT — (Black).
5. Lock (2) with (1).

— 2 —

AC Connection Terminal Overview

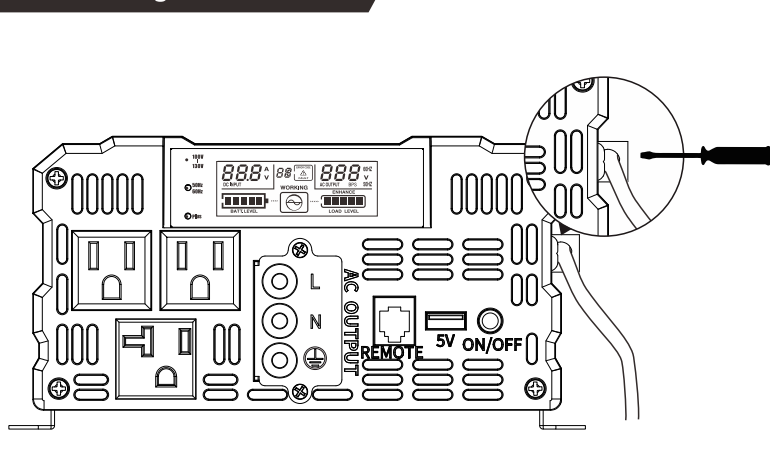


Component Name

- | | | |
|-------------------|-------------------|------------------------------|
| (1) 15A AC OUTPUT | (4) 57A AC OUTPUT | (7) Switch |
| (2) 20A AC OUTPUT | (5) REMOTE | (8) Grounding Aluminum Block |
| (3) 15A AC OUTPUT | (6) 5V USB | (9) LCD display |

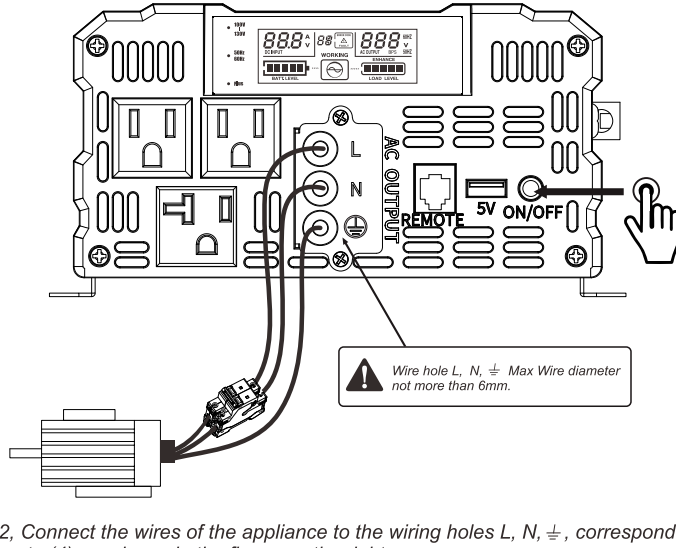
— 3 —

AC Terminal Wiring Procedure



1. Thread the grounding wire across into the grounding aluminum block mounting hole and lock the side screws with a screwdriver as shown in the above figure.

— 4 —

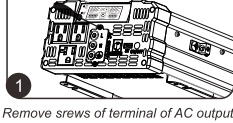


! Wire hole L, N, \perp Max Wire diameter not more than 6mm.

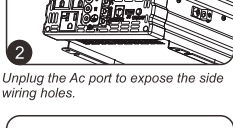
2. Connect the wires of the appliance to the wiring holes L, N, \perp , corresponding to (4), as shown in the figure on the right.

3. Press (7) by hand to turn on the power, and (9) lights on after 1S, the inverter works normally.

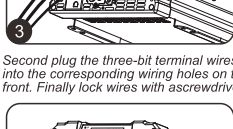
4. Turn on the load appliance.



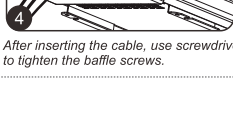
1 Remove screws of terminal of AC output.



2 Unplug the AC port to expose the side wiring holes.

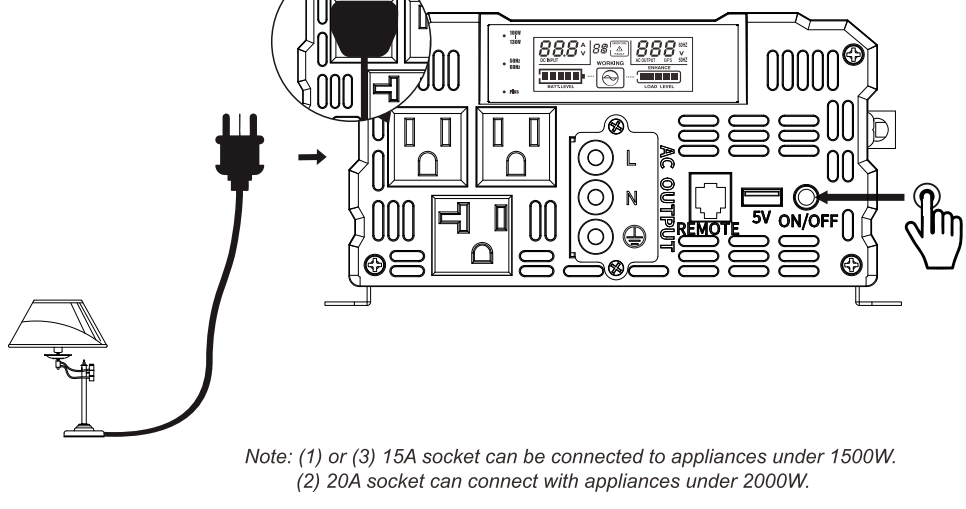


3 Second plug the three-bit terminal wires into the corresponding wiring holes on the front. Finally lock wires with ascrewdriver.



4 After inserting the cable, use screwdriver to tighten the baffle screws.

— 5 —



Note: (1) or (3) 15A socket can be connected to appliances under 1500W.
(2) 20A socket can connect with appliances under 2000W.

When All AC sockets are wired for use at the same time, the total power must not exceed the total power of the inverter.

— 6 —

If you have trouble understanding the instructions, or have any questions regarding its operation, please contact our friendly customer support team in the following ways.

Service E-mail: naservices@belttt.com

Official website: www.belttt.com

Amazon: www.amazon.com/belttt

