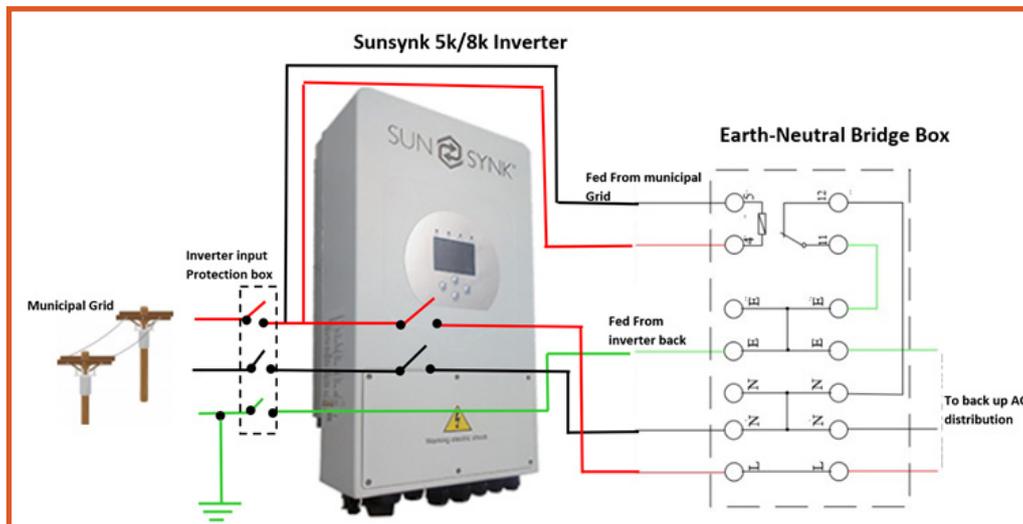


Application Note – Sunsynk Hybrid Inverters and Earth-Neutral Bridge Box.

Sunsynk Hybrid Inverters and Earth-Neutral Bridge Box.

SegenSolar highly recommends installing the Sunsynk hybrid inverters with the Earth-Neutral bridge box available on our portal (part no: ACDB-ARENB-25A). It is essential to install this box on the back up output of the inverter.

When grid is lost, the inverter goes into back up mode and loses the earth-neutral link on the grid side. The box automatically creates a temporary earth-neutral bridge in this instance, thus avoiding the formation of floating/elevated voltages that may result in equipment malfunction and electric shock risks. The wiring diagram is shown below:



Sunsynk Hybrid Inverters and Earth-Neutral Bridge Box.

1. Supply grid power to the inverter.
2. Ensure there is an output on the loads port - 230Vac (activated by initial battery connection).
3. Measure the voltage between the load output neutral and the earth terminal.
4. The voltage should be 0Vac if not, check if the wiring on the grid side is correct.
5. Switch off the grid power.
6. Measure the voltage again between the load output neutral and the earth terminal.
7. The voltage should be between 0-3Vac if not, check if the wiring on the bridge box is correct as per diagram above.