PV SQUARED
HEART & SOLAR

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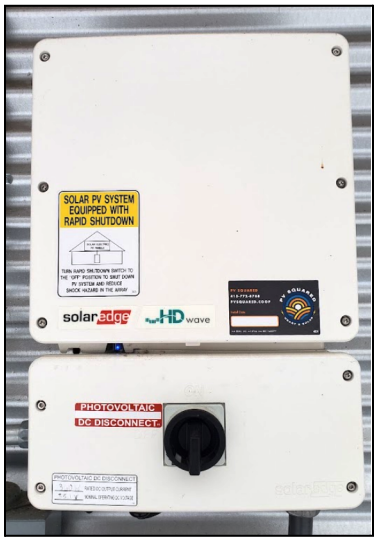
Rebooting your SolarEdge Inverter

Sometimes the simplest solutions are the best, and rebooting your system (AKA "power cycling" or "turning it off and back on again") is a very powerful tool. This is almost always the first step in any troubleshooting process, and may be all that's needed to resolve your issue.
If anything looks out of place, damaged, or potentially hazardous, reach out to our service team before trying any troubleshooting steps on your own.

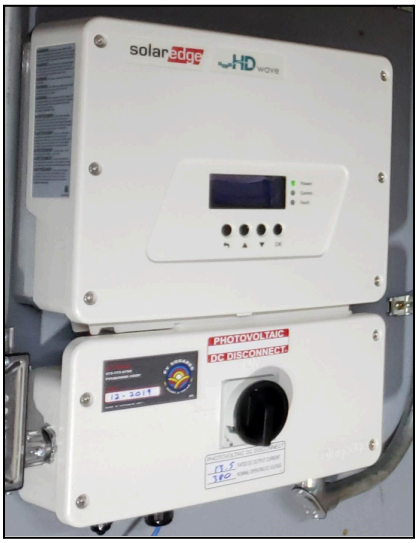
In general, the order of operations for rebooting any solar array will be:

1	Inverter(s) > OFF	~ *WAIT* ~	AC Disconnect(s) > ON	5
2	DC Disconnect(s) > OFF		DC Disconnect(s) > ON	6
3	AC Disconnect(s) > OFF		Inverter(s) > ON	7

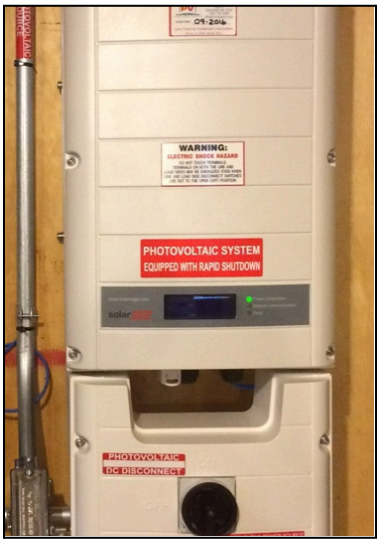
Depending on the age of your Solaredge Inverter, the hardware may look a little different but the components are all the same:



"HD Wave" (screenless)



"HD Wave" (with screen)



"A-Series"

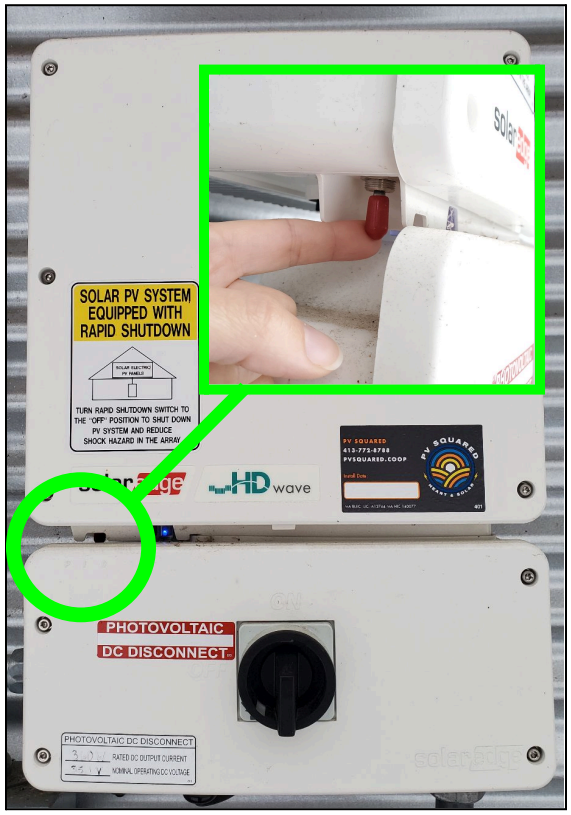
Operation of the newer "HD Wave" style inverters is almost identical, even though the newest ones do not include a screen.

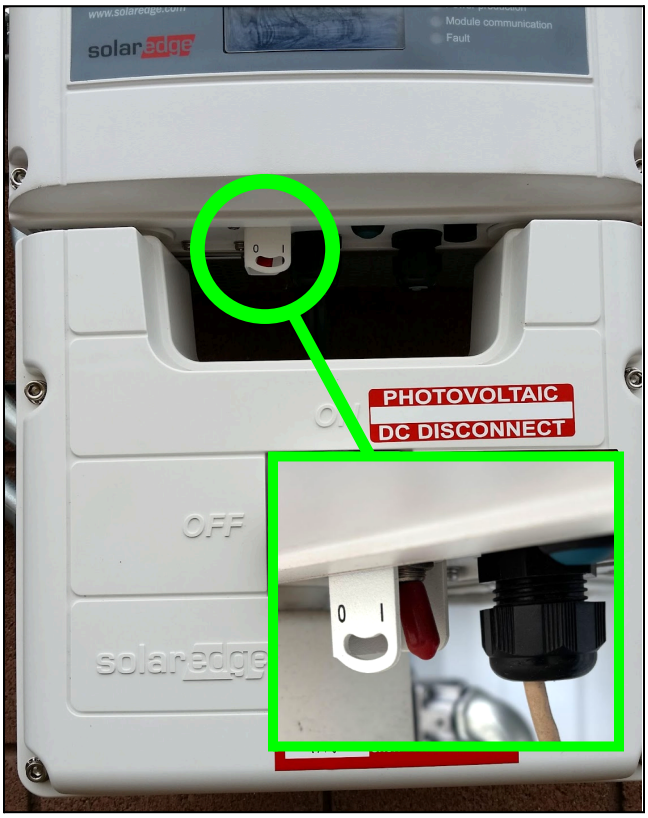
If you are uncomfortable with any of these steps, please call in before attempting any troubleshooting on your system. We can provide individualized guidance, or dispatch a field technician to your site as needed. Electricity is not a force to be taken lightly, and we take your safety very seriously!

To Reboot your array, follow these steps in order:

1. Turn the Inverter OFF

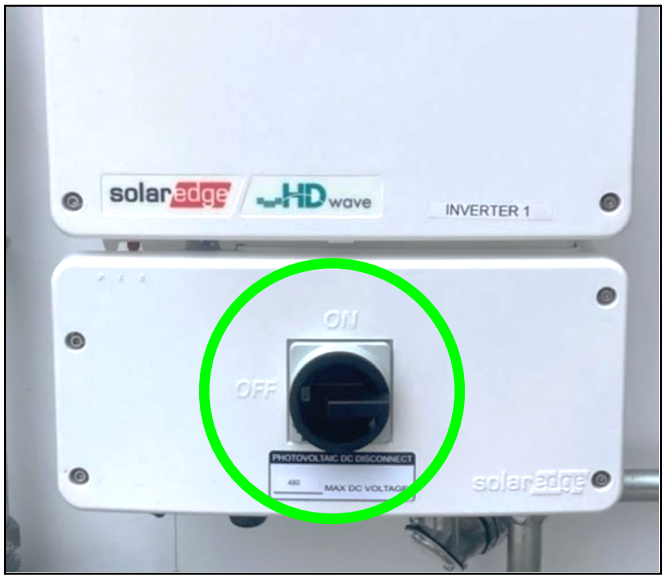
- Locate the small toggle switch between the top and bottom of the inverter, and turn it to the “O” position. On newer HD Wave style inverters you will need to reach around the left side of the inverter to access the switch.

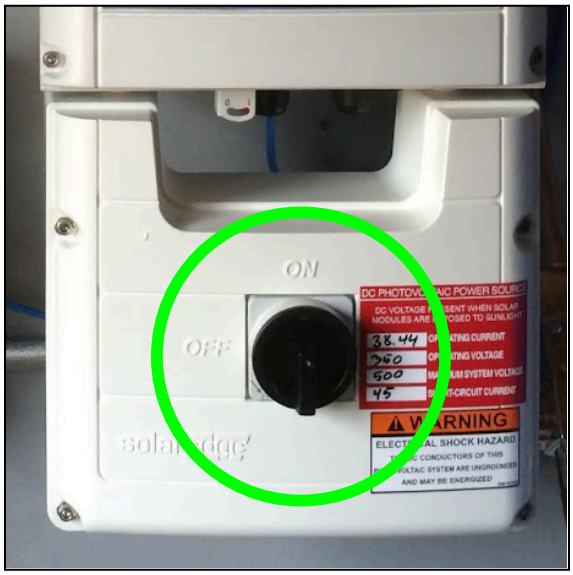




2. Wait 60 seconds - then Turn the DC Disconnect OFF

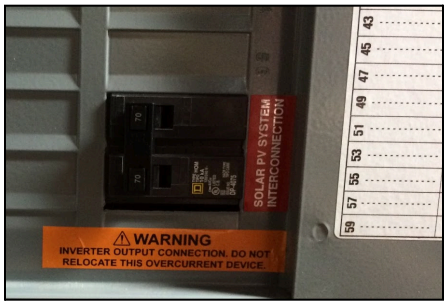
- Locate the large black knob on the front of the inverter assembly and rotate it to the OFF position

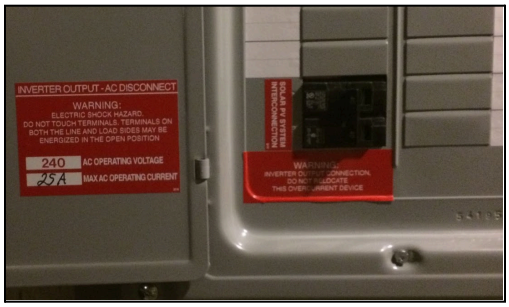




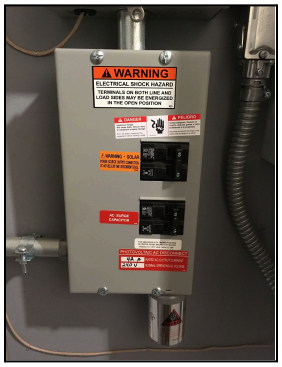
3. Turn the AC Disconnect OFF

- Locate your AC Disconnect(s), and turn them off.
    - Due to changes in electrical code, and the specific requirements of each site and solar array, your site may have a combination of AC switches that should be checked. These are the basic types, and keep in mind that *your* array may have a combination of types as well as multiples of each type
        - **Interconnection Breakers -** located in your main or sub load centers
        - **AC Combiner Panel** - typically located inside, in their own electrical box
        - **AC Disconnect Switch** - located either inside (near the inverter) or outside (near your utility meter)
    - You don't technically need to turn them all off to perform a reboot, but it is a best practice to make sure nothing is tripped or accidentally powered off when doing basic troubleshooting.

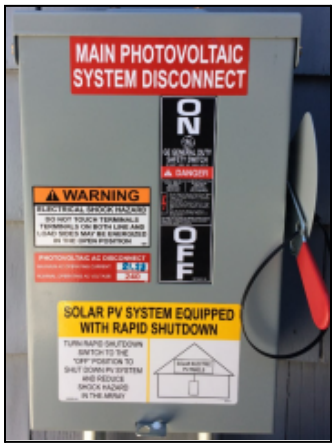


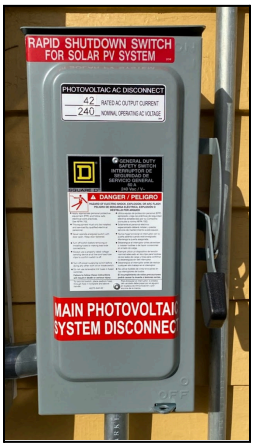


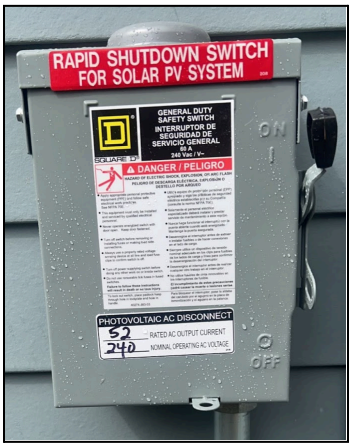
Examples of Interconnection Breakers

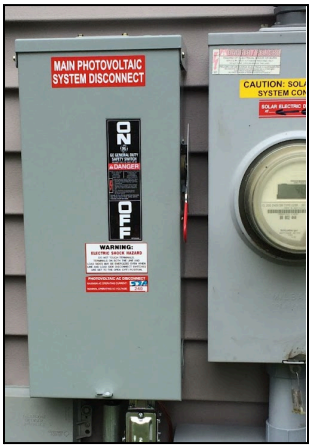


Examples of AC Combiner Panels









Examples of AC Disconnect Switches

4. Wait! Leave the system off for five minutes, before powering back on

5. Turn the AC power back ON

- Return all AC disconnects to the ON position

5. Turn the DC power back ON

- Return the black knob on the front of the inverter(s) to the ON position

6. Turn the Inverter power back ON

- Return the small toggle switch to the ON position (marked as “I” on the inverter)

Once your system has been rebooted, it will take at least 5 minutes to fully power up and you will likely see the LED on the inverter go through several different color configurations.

To learn about how to view and interpret your inverter’s status and whether your system is working, use the guides linked here.

It may take a few hours or up to a full day for data to begin showing up on your monitoring site again after a reboot.

The PV Squared Service Team is always happy to hear from you with any questions, and hope this guide gets you started on the right track! Please reach out to us for additional support.
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