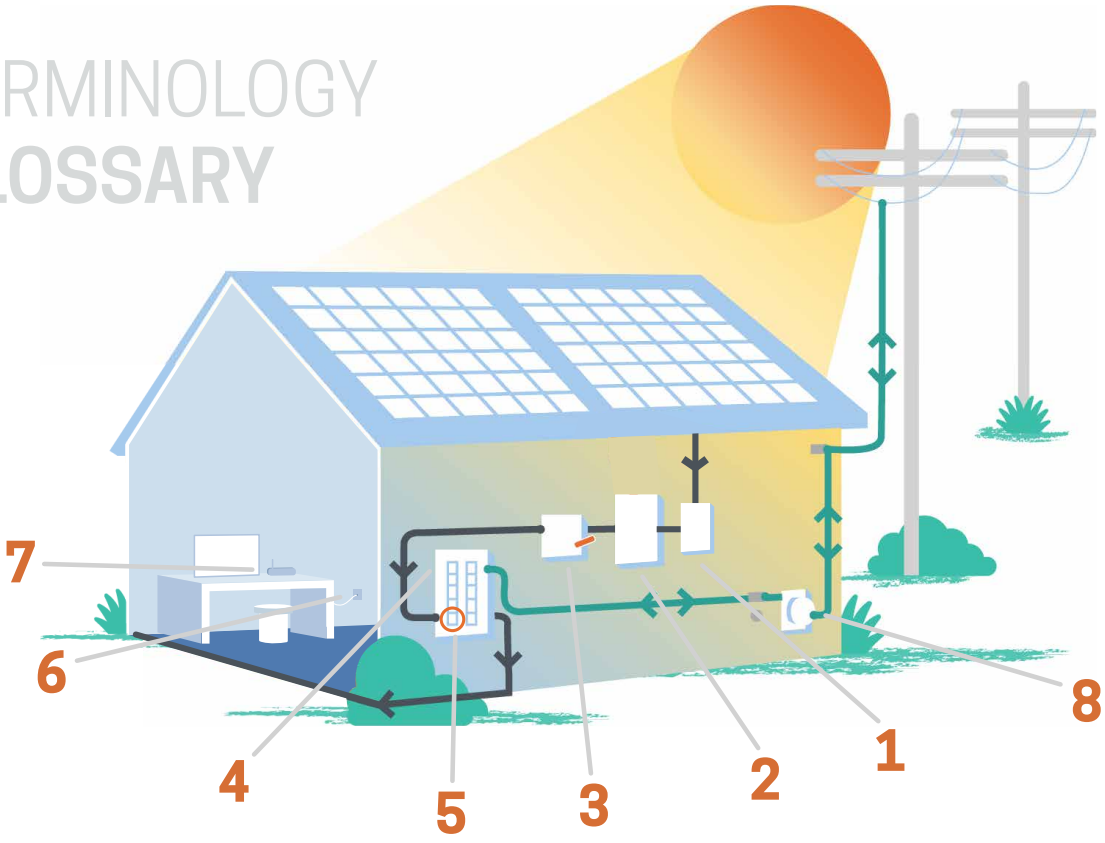
POWER CYCLING
SMA INVERTERS

SMALLER THAN 10KW SYSTEM

StraightUp SOLAR

TERMINOLOGY GLOSSARY



1 COMBINER BOX

Collects multiple strings of PV modules and combines them in parallel

2 INVERTER

Converts the DC power coming from your array to AC power before it reaches your home

3 AC DISCONNECT

Safety feature to cut AC power before it reaches Main Service Panel

4 MAIN SERVICE PANEL

Controls power from the grid and your array to the individual circuits of your home

5 SOLAR BREAKER(S)

Switch on the Main Service Panel that cuts the power coming from your array

6 ETHERNET

Hardwired internet connection cable, likely located near computer

7 ROUTER

Wireless internet connection device, likely located near computer

8 METER

Device that reads incoming and outgoing power to and from the grid and your home

SERVICE DEPARTMENT

(314) 218-2663 x 102 | Service@StraightUpSolar.com

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HOW TO POWER CYCLE YOUR **SMA** INVERTER **(SMALLER THAN 10KW SYSTEM)**

Step 1: *Turn off the DC power.*

Locate your SMA inverter.

Find the black or tan dial/knob – it will be located on the front or left side of the inverter.

Turn the dial ¼ turn to the left into the OFF position.

Step 2: *Turn off the AC power.*

Locate the "solar breaker" inside of your main service panel – likely near the bottom.

Flip the solar breaker into the OFF position - this will be the opposite direction the rest of the breakers are facing in the main service panel.

Note: If the solar circuit breaker is not labeled, look for a dual pull 40 AMP breaker toward the bottom of the main service panel that might look newer than the others – this is likely the solar breaker.

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Step 3: *Leave everything off for 10 minutes.*

Leave the AC and DC power completely off for 10 minutes. This will allow time for the capacitors in the inverter to discharge completely before proceeding to the next step.

Step 4: *Turn on the AC power.*

Flip the AC solar breaker back into the ON position. Make sure it matches the direction of the rest of the breakers in the main service panel.

Step 5: *Turn on the DC power.*

Turn the DC power back into the ON position by turning the dial/knob ¼ turn to the right.

For many inverters, all three LED lights will come on and stay solid for a period of time upon start-up. It may take up to 10 minutes for the inverter to finish turning all the way back on.

You may hear clicking sounds as the inverters power back up – this is normal. Eventually, you will see the LED lights showing:

- Green light (Production) will pulse or stay solid
- Blue light (Communication) will blink or stay solid
- Red light (Error) will go off *

If the sun is shining, the online SMA Sunny Portal should begin to show data within 30 minutes. Check “Current PV Power” for power and “Current PV System Status” for a green check mark.

***If the red light remains on and/or a 4-digit code remains on the inverter screen, please document this (photos work great!) and contact our Service Department for additional assistance.**