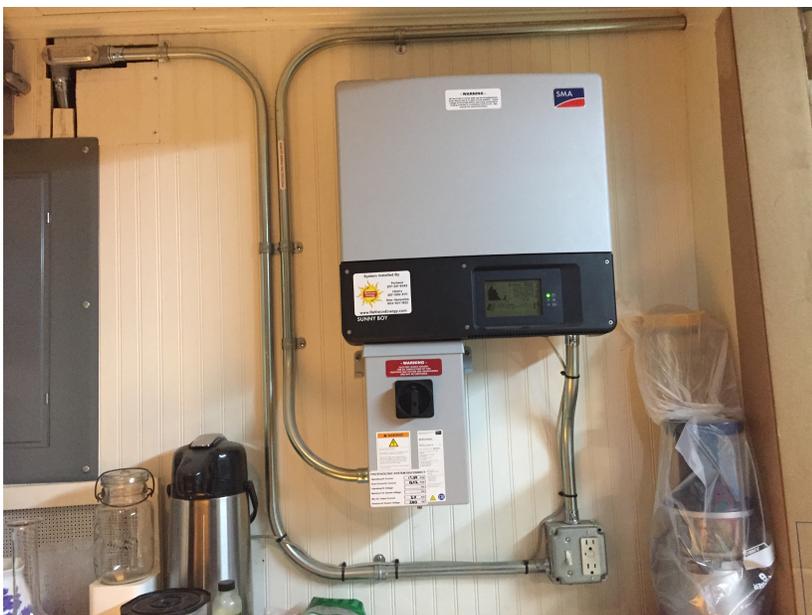


Here's photos of the 17 panels on our rooftop. This 5KW grid tie system was designed and installed by RevisionEnergy.com



Here's a photo of the Inverter:

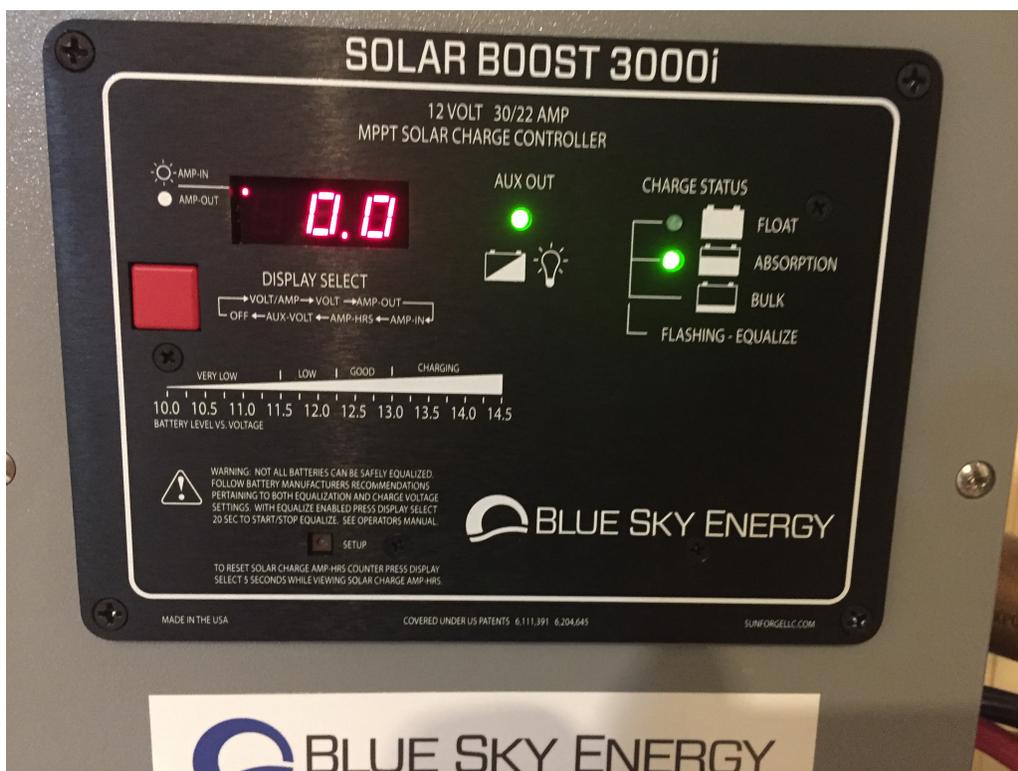
Top right conduit is solar in from the panels which are in two banks, each in series (high voltage input = low current loss)
Top left conduit is the feed to the house electrical panel. We have two Power Company meters, one for power in, and one for power out. There is a cutoff below the inverter, and a double breaker in the entrance panel. Bottom right conduit let's us turn on that outlet and pull up to 1500W if the grid is down and the sun is shining.



Here are the battery backup system panels on our back garage roof. They are in parallel and deliver Max 17.2V and 23.43 amps to the charge controller:



Just now delivering 0 amps because the battery is full.

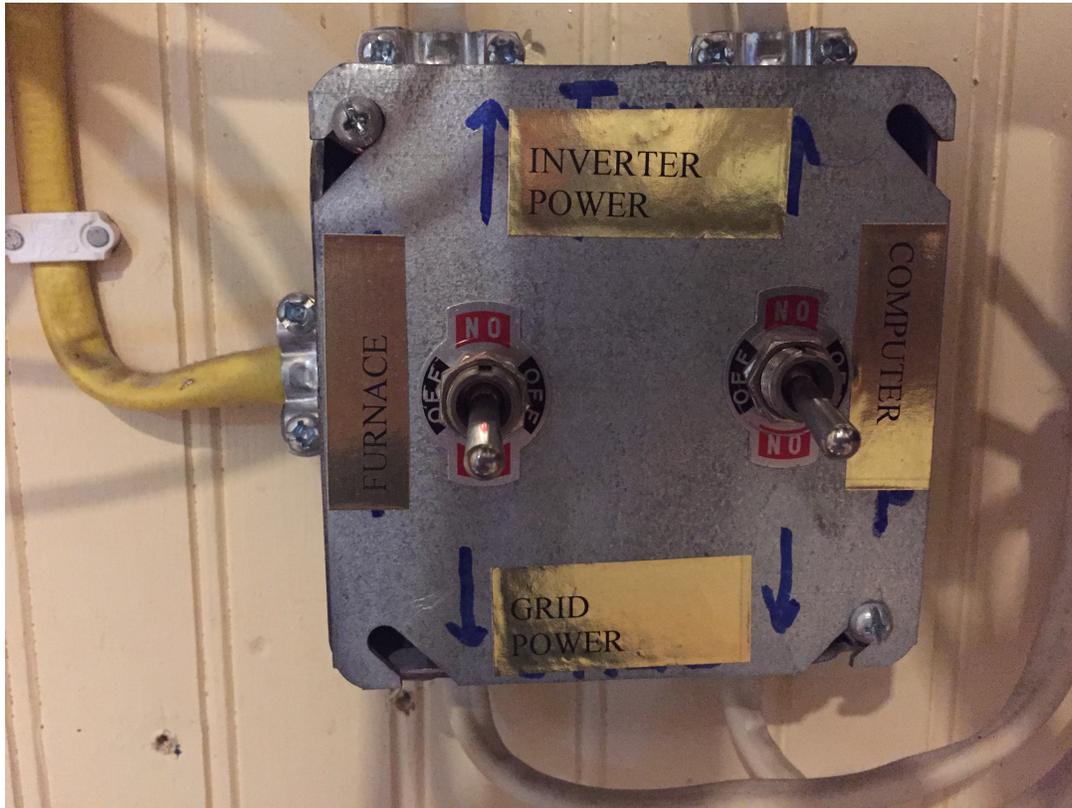


Here is the whole system:



The white cover junction box connects the panels to the charge controller, which feeds the battery and the Inverter in, and the inverter out feeds our gas fired heating system and a separate circuit in our home that runs the internet modem & router, kitchen tv, radio, landline phone, computers and sound system, and whatever else we might plug into it (freezer or fridge in an emergency = power out more than a couple hours) Each inverter out passes thru a Kill-A-Watt monitor so we can track total KWH of power used, current draw and load wattage at any time - so we can be sure not to over drain the battery, or overload the capacity of the system to run any given load.

We manually switch to battery power and back to grid power as desired. One switch for the furnace and the other for the dedicated line in our home.



The two Kill-A-Watt monitors each between an inverter out and its load.

