**Current Progress – Energy**

On the 8th of June when we were told to stop working with the batteries I had gotten very far with the project and would consider myself close to being done. The remaining planned work included:

* Testing and documenting the final iteration of my charging algorithm.
* Completing a full charge cycle with power provided by PV panels.
* Confirming the performance of the algorithm tracking SOC and the remaining energy in the battery.
* (Confirm the performance of the current sensor at low currents.)
* Testing the new constant voltage state

The lack of final testing has had two impacts on my work. Firstly, I am not completely sure that everything has been implemented in the best way, as I was not able to fully test it. This especially true for my charging algorithm which might have flaws which would show up in testing. Likewise, I am fairly confident that I have successfully integrated the charging and but cannot be completely certain.

The second effect of the stoppage has been that I have far worse documentation and proof of my work. In the report there are many places in the implementation part of the report in which I would have found it natural to show charge curves or show the algorithms working. I was not able to do this. This also holds true for the video demo which partly needed to be stitched together from video and data not intended to be shown in the video.