

Update Log 10  
*Week of Apr 4, 2022 - Apr 10, 2022*

- **Ryan Aultman** (Storage-to-Output):
  - This week I performed a first full start-up with my subsystem (battery→inverter→switching circuit→motor). We haven't taken any transient measurements on current or voltage yet, but the motor started from the battery and stayed on for 35 seconds. Also, the current coming out of the inverter stayed at the expected 4 A (FLA). Next, I will be aiding my other team members to ensure that their subsystems are working properly as well.
- **Thomas Bergeron** (Digital Interface):
  - This week is our first full start up. My subsystem has nothing left to debug as of this moment so I offered my help to the others. They politely declined so I worked on other homework until 7:30. Then, we put together the battery to storage and microcontroller and started up the motor.
- **Janet Park** (Controls/Monitoring):
  - This week, I was able to mount the Hall sensor onto the motor shaft, and validate its ability to detect motor operation and status. Because the primary focus of this week's meeting in lab was on motor startup/functionality, I've decided to postpone my remaining tasks, including validation of the voltage sensors on Ryan's PCB, and integration with the switching circuits until later this week. Upon completion of these tasks, I will be ready finished with subsystem integration.
- **Hunter Ruff** (Input-to-Storage):
  - This week, I am debugging my switching driver. I've found that the MOSFETs work and believe I just need to flip the components to get them to function. All other parts of my system are integrated and validated. I will mainly be in a support role for the start up testing.