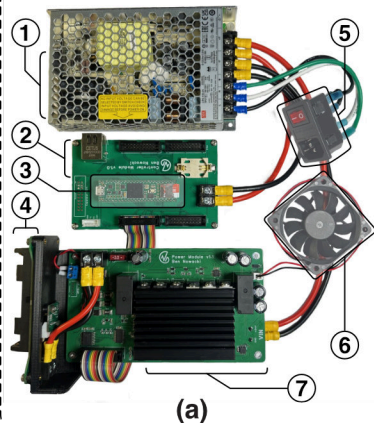
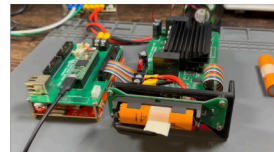
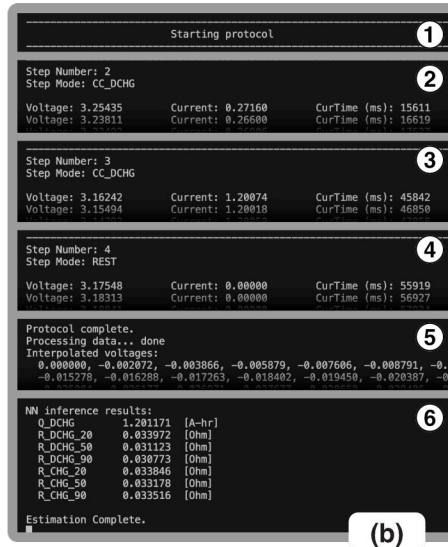


Custom Hardware

- ① Power Supply
- ② Controller
- ③ Teensy 4.1
- ④ Cell Holder
- ⑤ Power Switch
- ⑥ Cooling Fan
- ⑦ Power Module



Hardware and Software Demonstration



Discharge Pulse Example

- ① Initialize protocol from SD card
- ② Apply first pulse current
→ 0.2C for 30 seconds
- ③ Apply second pulse current
→ 1C for 10 seconds
- ④ Rest for 30 seconds
- ⑤ Data processing
→ Compute relative voltage
→ Scale input to integers
- ⑥ Neural network inference results are outputted
→ Raw data and NN results are saved to log file