What will the MSP430 be used for if MAQ20 is so capable?

- Charging algorithms
- UI

The MAQ will allow measurement without direct connection to the MSP. The MAQ will act as an interface between the MSP and the battery. All we need to do is ping the MAQ for whatever parameter we want (voltage, current, temperature, etc) without the use of the MSP's ADC.

Think of the **MAQ as an 8-channel DMM which can be polled for data.**

The MAQ uses RS485 communication protocol, so we will need a **UART to RS485** chip

- See Lehman's email which includes **DATASHEET for TI-ISO3080**

We may like to use the **DORLY relay module** which can connect and disconnect individual cells.

The relay module + MAQ will make interfacing with the battery much easier.

The **MAQ can be programmed via ModBus protocol**

- **See user manual on DF website**

Looking far forward:

- The MAQ and DataForth products should ideally be outside the "box" of our primary system for showcasing purposes.

Reimbursement information:

- all MAQ and DF stuff will be sent free of charge; just need to send him the exact system and parts needed and a STREET address to send to (not PO).

<u>For purchasing our project shit</u> - DF will give advance payment via mailed check.

Send detailed BOM (use NAU documentation methods?) and send the total

- Round up and sprinkle extra for possible unexpected expenses

Send address to mail check to.

Cash check → buy things.