- Solid state relays for high current switching
- Monday for Digikey order
- Registration for Expo done
- By next week - switching hammered out

**IM 5/18 02/26/09**

- Current wiring in lab capable of carrying 135A

**Battery Specs**
- 6V 200Ah - 3 cells
- UPS6-620MR 620W
- Max charging current 40A
- 6.42V/unit, unit=2.6
- Equalization/service charging voltage 7.2 - 7.4VDC
- ACMI
- Lead low calcium alloy grid for minimal gassing

- Opto coupler circuit -> 12V rail supply -> linear until ~9V

- Current battery 1.77V*3 = 5.31V = V_end of discharge 2025
- New batteries for LSV2 - lead (2.0265.lead)

David - MOSFET -> will talk to Hess tomorrow about it

Hess - Nichrome wire for load
$0.60/ft // legal and to get load...

- MOSFET common source to Amplifier to take small
in out Voltage to control Relay on VAC
- Check system to ensure OFF

V_out vs. V_in => V_out = 0.7125*V_in - 1.0631
James
- Research Relays - PSOC Ctrl
  - MathCAD on Nichrome

David
- Power MOSFET price
  - Email MOSFET model #
  - LSV2 battery vs. Test battery

Chris
- Info for PSOC allocation
  - Safety precautions
  - Scan Documents -> Block Diagrams!

David / James
- Email Chris diagrams -> Flow charts

**Concerns**
Wrap overhead using our test battery

\[
\frac{V_{out} + 1.031}{0.7525} = V_{battery}
\]