



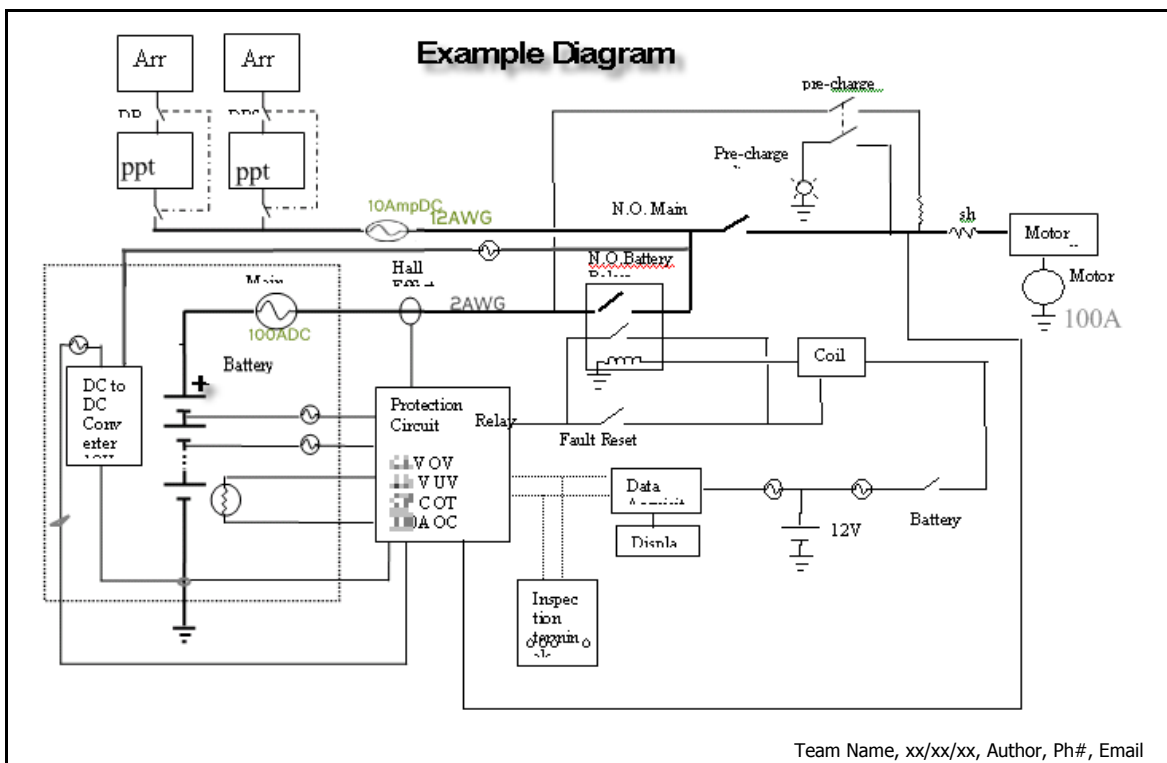
ASC2010 Electrical Drawings

Due: 2010.01.15, Submit to ASC Team Registration

Please include the following elements with the required Electrical Drawing:

- 1) Show block diagrams of the main system components: Array(5.2), Main Battery(5.4), Motor, Battery Protection(5.5), Switching(5.8.A), Fuses(5.7), and ventilation(5.6.D).
- 2) Show both high(main battery), low(dc-dc conversion) voltage bus lines
- 3) Show basic component values(Fuse rating(Amps DC)(5.7), max battery current, power wire gauge(5.9)
- 4) Labels all block components, power switches(by function)(5.8), relays(5.8.A), and wire polarity.
- 5) Show the use of pre-charge or other power storage device(super-cap / fly wheels) other than the battery(5.4.B)
- 6) List or draw items that are temporarily or continuously driven off any supplemental batteries(5.4.D)
- 7) Show where the External Power Cut Off Switch(5.8.B) electrically isolates circuit
- 8) Please include the School/Organization, Team Name, Date, Author, and Contact info on diagram

Note: Preferred submission format is PDF(.pdf) or Word Document(.doc) with drawings in landscaped orientation.



AMERICAN SOLAR CHALLENGE

Em: ascregs@americansolarchallenge.org • Web: <http://americansolarchallenge.org>