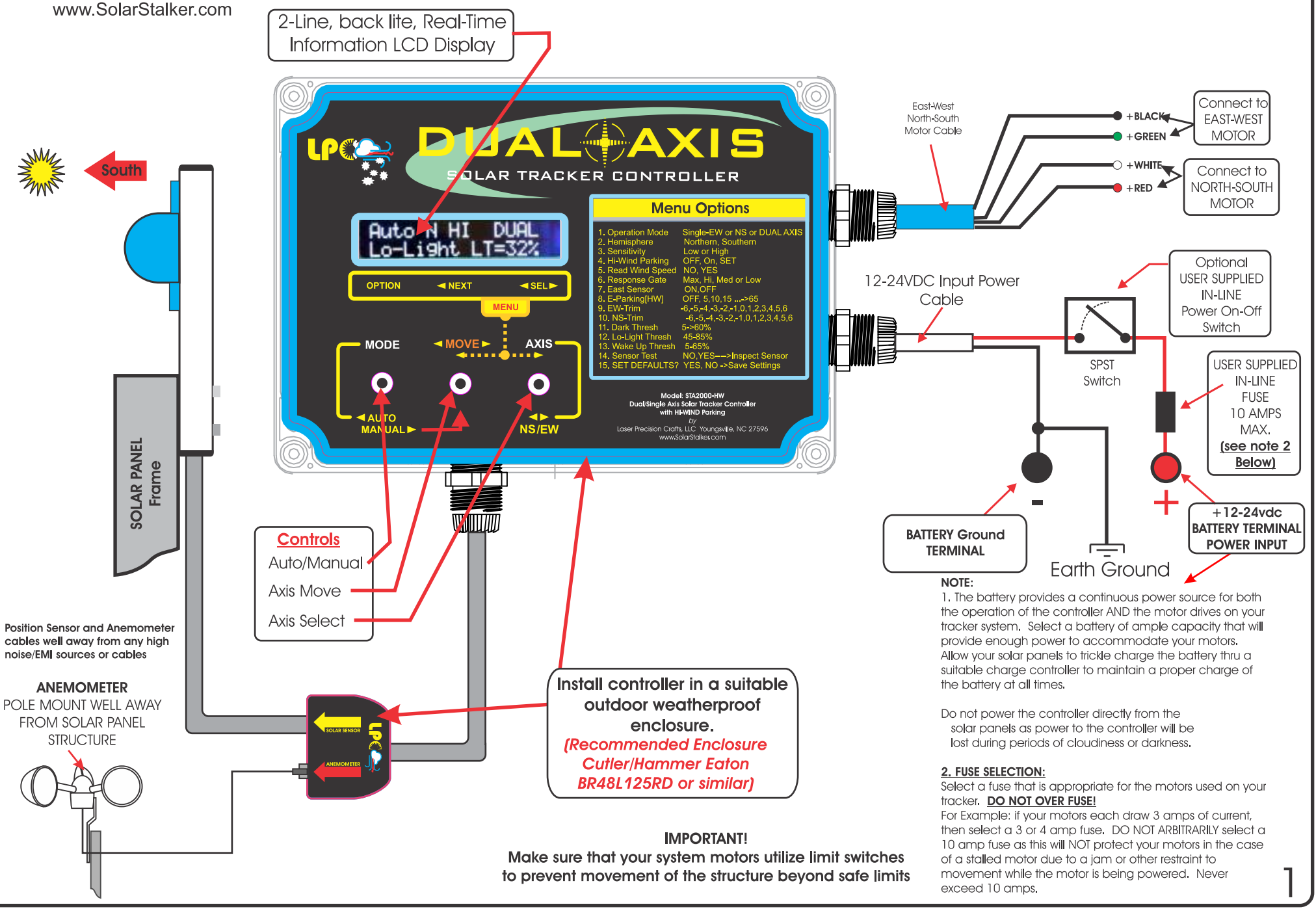
Solar Tracker Asm.

STA2000-HW Single/Dual Axis Controller

DIY Dual-Axis Solar Tracker System

www.SolarStalker.com

STA2000-HW Dual/Single Axis Solar Tracker Controller (Initial Wiring)



IMPORTANT!
Make sure that your system motors utilize limit switches to prevent movement of the structure beyond safe limits

NOTE:
1. The battery provides a continuous power source for both the operation of the controller AND the motor drives on your tracker system. Select a battery of ample capacity that will provide enough power to accommodate your motors. Allow your solar panels to trickle charge the battery thru a suitable charge controller to maintain a proper charge of the battery at all times.

Do not power the controller directly from the solar panels as power to the controller will be lost during periods of cloudiness or darkness.

2. FUSE SELECTION:
Select a fuse that is appropriate for the motors used on your tracker. **DO NOT OVER FUSE!**
For Example: if your motors each draw 3 amps of current, then select a 3 or 4 amp fuse. DO NOT ARBITRARILY select a 10 amp fuse as this will NOT protect your motors in the case of a stalled motor due to a jam or other restraint to movement while the motor is being powered. Never exceed 10 amps.