

## A3.6 Solar Panel

As of February 2006, every Nomad 2 is manufactured with a built-in solar charge controller circuit on the interface board. If you have purchased the complete Solar Package from Second Wind since this date, please refer to the sections below for wiring and operating instructions. The package includes a 5 or 10 Watt photovoltaic (PV) panel with mounting brackets and a sealed 12 Volt gel-cell lead acid battery.

### A3.6.1 Wiring the Solar (PV) Panel and Battery to the Nomad 2

**Step 1:** Mount the solar panel according to Appendix A3.6.2 of the Nomad 2 Installation and Operation Manual, Version 1.2.

**Step 2:** Run the two wires from the solar PV panel into the logger through one of the cable grips. Connect the negative lead (black wire) to the "Solar -" terminal and the positive lead (red wire) to the "Solar +" terminal on the Power Terminal Block of the interface board as shown in Figure 1.

**Step 3:** The Nomad 2 (with the Solar Package) is shipped with the 12V battery mounted. The positive and negative leads are connected to the interface board, but with the polarized molded connector disconnected. Check that the 5 amp fuse in the positive lead is intact. Connect the polarized molded connector to apply power. See Figure 1 below.

**NOTE:** If external 12V power is to be used (or a 12V battery without a solar panel), DO NOT connect it to the Batt+ / Batt- terminals on the Power Terminal Block. Connect it to any input channel RED 12V+ and BLACK Gnd.

