



### Replacing the Temperature Sensor in an Existing Installation

The Blue Sky temperature sensor has a red and blk wire within the cable. These wires must be connected to the corresponding terminations on the back of the SB3000i solar controller.

If you have an existing 2 wire temperature sensor with the controller that is being replaced it is not necessary to replace the entire cable. The old sensor unit located at the house batteries can be snipped off and the new Blue Sky temperature sensor can be spliced on to the existing cable. The existing cable might have red/blk, wht/blk, or it could be a speaker cable with copper wire strands on one conductor and silver wire strands on the other. Keep track of what color you splice onto in the battery bay so that proper connection can be made at the controller.

If both of the existing wires are the same color then a continuity test will need to be performed to differentiate between the two wires at the controller. To do this you must have a multi-meter that has a continuity testing feature (preferably an audio indicator). To perform this test, touch and hold one of the snipped (and stripped) wires to a known chassis ground point near the batteries (note: most battery banks have the negative conductor connected to chassis ground somewhere so touching one of the temperature sensor wires to the negative terminal on the batteries will be the same as chassis ground). Next, while still making the connection at chassis ground in the battery compartment, find a chassis ground point near the solar controller location and test which wire has continuity to chassis ground.

