

SOLAR BOAT TERMINAL CONNECTION & SHAFT POSITION IN WATER

- 1, For the shaft and propeller to turn clockwise it is important to connect the red motor wire to positive terminal of PV cell & black/blue negative motor wire to negative terminal of PV cell, otherwise the propeller is likely to spin off the shaft.
2. The propeller shaft should extend away from boat at same end to bottle tops.
3. To get the boat to go 'fast', the angle of shaft on entry into water needs to be as shallow as possible. Ideally, a straight line should flow from motor - to shaft - to surface of water.
4. If it is necessary to adjust the angle of motor plate to facilitate shaft entry into water to be as shallow as possible, a **second hole*** is placed just **below** the shaft support hole. Secure shaft support to solar cell with duck tape. Attach string through this hole but ensure it does not get tangled with the shaft.