

# **Solar Panel with Spray Pump**

## **Combo Pack Instructions**

**Note: On the back of the solar panel, there is a black square box where the panel connectors and wires meet together. There are two wires coming out from this box ; one is a red female bullet (positive + ), and the other is a male blue (negative -) end.**

1. There is a folding stand at the back and when it has been slide out, it will create a picture-like frame stand and hold the solar panel at an approximately 45 degree angle for maximum sunlight efficiency. The solar panel can be laid flat on the ground or laid against an object. Be make sure it is not in an area of shade or in an area of strong wind.
2. Connect the red (positive +) & blue connectors (negative-) of the panel end with the red & blue connectors of the pump.
3. On the pump, there is a housing that can be taken apart. Make sure to clean out all debris before using, as the pump may not work if there is excessive debris. There are 3 or 4 (depending on the model) small extension tubes which are used to raise the spray head to the desired height. There is 1 short spray head (or none depending on the model) that is shaped like a nipple ; it is about ½” long. It also comes with one cone adapter which is connected directly to the

extensions from their 2 (or 3 depending on the model) different spray head .

**NOTE: When being placed in an outside pond, the pump should be kept midstream by using a flat piece of plastic or glass and attaching the pump to it ; there are 4 small suction cups at the bottom of the pump, which are used to attach to objects. Put a brick or rock under the piece of plastic or glass in order to lift the pump up from the bottom of the pond (this prevents the pump from taking in all the leaves and debris from the bottom of the pond which can clog the filter)**

**There are 2 alligator clips for different applications like charging a battery or other DC device.**

**Be careful not to leave it on too long as it may overcharge and cause damage to the battery or device because there is no regulator that comes in this kit.**

**WE WILL NOT BE HELD LIABLE FOR ANY DAMAGES CAUSED BY OVERCHARGING**

### **IMPORTANT NOTE:**

This solar panel combo kit only works in the day time **with sunlight**. An **optional** battery pack or a small 12 volt battery can be purchased at a local store which can be used to connect in series, and it will work at night.