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[How to Build Your Own Solar Cell](#)

Solar panels are already considered very cost effective because these provide renewable source of energy. You can actually save more by making your own solar panels, instead of having to buy from a store or hiring a pro to do the installation. You can get a lot of financial benefits by maintaining the material properly. Expect solar panels to last for up to 3 decades if well-maintained. Here are some tips on how to begin your project.

Starting Out

Begin with the sandpaper and use it to scour the different regions of the copper of one of the available sheets. There should be no corrosion whatsoever on the copper for the process. Wash the copper sheeting using water, soap and either a sponge or a towel. You should allow oil from your hands to get on the copper. Towel the copper until dry. Make sure that you do not touch it directly. Use tongs to position the copper on the hot plate. Switch the hotplate on as warm and hot as possible.

Cook the copper using red hot heats for about 30 minutes. Use a thick black layer of oxides and allow to form at the surface of the copper. Be sure that you do not leave the copper unattended while you are cooking. The oxide layer and the copper below it will cool at various speeds, leading the two to separate. The process can be violent and can lead to accidents if not properly done. Be sure that you do not get too close or leave flammable items near. It will take around 20 minutes to cool everything to room temperature.

Now that we've covered those aspects of Solar Power, let's turn to some of the other factors that need to be considered.

More on the Process

Wash the copper in plain water carefully. This will ensure that you get majority of the black pieces off. The red layer of cuprous oxide should remain on the metal. This will form right under the layer of cupric oxide. Get the cooked copper sheet plus the uncooked sheet then fit these into the plastic bottle. Bend each sheet outward so that no part of the two sheets will stay in contact with each other.

It is important that you clip one of the available alligator leads to the top of each sheet to connect these to the meter. The positive terminal of the meter must link to the uncooked sheet. The negative terminal must link to the cooked sheet. Dissolve two tablespoons of salt into a few cups of water. Pour right into the plastic bottle, allowing the water level to rise about 1 inch from the top of the sheet. Put the bottle out in the sun and observe the meter. The meter should rise consistently to about 50 micro-amps. Place the bottle in the shade and allow the meter to go down below ten. Finally, you have created your own solar cell.

More on Building

You can expect to finish the entire process in just 3 to 4 hours. It is important that you check out the different available resources first at your local hardware store and online so that you can get the most out of your budget. You should also consult a pro and other people who have tried building their own solar cell panels so that you can maximize the effect and get the energy you need to power your various devices.

When word gets around about your command of Solar Power facts, others who need to know about Solar Power will start to actively seek you out.

About the Author

By Anders Eriksson, feel free to visit his top ranked GVO affiliate site: [GVO](#)

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