Solar power is a great way to get off the grid or at least power some household items to be more self sufficient. The only problem with this is you have to have the solar panels pointing in the direction where the sun the most.
This relatively low cost and straightforward to build project actually allows your panel to follow the sun so you have more hours of sun on your panel, thus, giving you more power, apparently, between 30 and 50% more power! See the full instructable below.

DIY Solar Panel That Follows The Sun

(Picture Credit: bwitmer)