

# An Overview of DIY (Do It Yourself) Solar Panels

Contributed by Administrator  
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I think every one at a large is responsible for the energy that we use today. Don't you agree? We simply cannot go on living like we are at present. It is required to make a modification and we need to make it now urgently. Solar power is the Earth's most available energy source, easily capable of providing many times the total current energy demand. Just imagine how easy it would be to use this solar energy if we knew to create and build a basic yet effective DIY Solar Panels .

Solar panel power generating unit is a kind of very small power generating systems, which convert direct sunlight into electricity using solar cells and panels. It uses direct sunlight as a fuel. Direct sunlight is available freely without any cost. It was high cost to produce a home need solar panel power generating system as technology were expensive in beginning and all of us have been trying to get consumer available first solar panels for years. They don't seem to be out there, at least for you and me for many years.

Now, however it is in reach of every individual as manufacturing cost of solar electricity systems has come down marginally & technology is improved. Here are few reasons as why to create your own DIY solar panels power system at affordable cost?

- You save hundreds of dollar every time you get your electricity bill.
- This is great for our environment.
- You will be able to spend your savings on more important things.
- Knowing that you are doing your part to conserve our planet feels great!
- When you install your renewable energy system in your premises you will increase the value of your premises by thousands!
- Knowing how to create DIY solar energy panels will give you the freedom to go fully off-grid. On the other hand, you can stay connected and get paid by the electric company when your meter runs backwards.
- Installation costs will continue to fall as the number of experienced installers and successful installations increases.

However, now it cost a small amount of money to manufacture system works depend upon your applications It would seem to me, that if you were to mount the panels in your backyard, and had a little bit of training on how to wire the whole system, that solar installation should be able to be a do it yourself project.

When it gets to attach them to your roof, I wouldn't mess around with them, but securing them to the earth should be no problem! The only thing you really have to do is have a licensed electrician make to connection to the main service

For example - Solar panel assembly good for water heating need. &ndash; DIY Solar Panels Assembly is made up of two solar panels each of which has 396 solar cells. Each solar cell is 6.5 cm by 5.5 cm in area. Together, these cells will convert radiation from the Sun into a total of 435 Watts of electrical energy. The solar panel has 55 percent of its area covered with solar cells and 45 percent covered with optical solar reflectors. These reflectors reduce the solar panel temperature. The shaped solar panel shield is angled away from the outer shell in order to improve its view factor to space and to improve the thermal isolation between it and the outer shell. A solar cell or photovoltaic cell (PV) is a device that converts light into electric current using the photoelectric effect.

Concentrating Solar Power systems use lenses or mirrors and tracking systems to focus a large area of sunlight into a small beam. The concentrated heat is then used as a heat source for a conventional power plant. A wide range of concentrating technologies exists; the most developed are the parabolic trough, the concentrating linear Fresnel reflector, the Stirling dish and the solar power tower. Various techniques are used to track the Sun and focus light. In all of these systems a working fluid is heated by the concentrated sunlight, and then used for power generation or energy storage.

The hybrid solar panel of the present invention overcomes the shortcomings of conventional systems by converting direct sunlight into electricity and collecting the unconverted direct sunlight and the diffuse sunlight as heat in a single solar panel.

Thus you now know that having the simple knowhow about DIY Solar panels and solar systems can help us all use this renewable and inexhaustible source of energy.