

By reading this article you can have a basic understanding about the solar energy advantages and disadvantages which contains lots of plus and minus points.

Solar energy is one of the most reliable energy sources in the country. Its based applications are growing widely when considering about renewable energy.

There are advantages and disadvantages of solar energy to other renewable and non-renewable energy sources.

Here's the deal:

Advantages of Solar Energy:

1. Solar energy is a renewable energy source:

As all, you know the solar energy is the most famous renewable energy source in the entire energy sector. There is no non-renewable energy source required to generate power from the solar system.

2. No environment pollution occurs:

One of the major advantages of solar with other non-renewable energy is the pollution factor.

Since solar power only absorbs the sunlight and doesn't emit any pollutant this is one of the major advantages.

Since it does not generate any air-based pollutant, it really helps to reduce the global warming too.

3. No noise create in the operation:

when we compare about other energy generation methods. Most of them are creating noise.

Even the renewable wind energy also creates noise too.

The Major advantage of solar is it not generates any noise so it can use very easily for domestic purpose without any problems.

4. Less Maintenance required:

Since solar panel does not consist any moving parts the maintainer is very limited and actually there is no routine maintenance required for such power panels.

5. High return on investment in the long run:

Even you have to pay some initial cost to install solar energy system when considering the long term the cost is really less.

Since its operate freely you can reduce your utility bill very large scale on when considering about long term.

6. No additional Cost required for installation:

Most of the solar panel manufacturers are provides normally twenty-five years warranty for the panel and some time five to ten-year warranty for the inverter.

So after you spend the cost to install the system there is no additional operation cost need to operate this solar panel based system.

7. The technology is rapidly developing:

Solar energy is one of the most developing technologies in the energy industry. There are latest innovations are introduce which improve the efficiency and to provide the best solar system for low cost.

When we think about a decade of technological development the solar technology develops very fast.

8. Solar energy provides the energy security and energy independence for consumers:

Imagine what will be happened when your utility energy provider increases the rates or cut the power supply without informing yours.

So solar energy based power system provides you the energy security and energy independence.

9. Can work as a hybrid system and also good investment opportunities:

In some countries, the solar panel can connect with the national grid system and you can also feed the solar electric power to the national grid and able to earn money from it.

10. Can use for a remote location without any problem:

For the places which located far distance, you can use solar power for the places where the national grid power unable to provide supply. So for the places where far away can electrify using the solar power.

Look:

Solar Energy Disadvantages :

Like all power generation methods got its advantages, there are several disadvantages too in certain methods. In here we are plan do discuss several disadvantages of the solar energy system

1. No power Generation at Night

The main disadvantages of solar with other renewable and nonrenewable energy are that solar power can't generate at night.

If a consumer only depends on the off-grid system, they can utilize external battery backup system with solar power. But the major drawback this Battery combined solar system is its cost.

2. Depend on Climate and Weather conditions

Solar power panels require the ambient sunlight to work at it best. But every day of the year not being the same.

There are some cloudy days, rainy days and some foggy climate conditions. In these kinds of climate conditions, we can't expect the full power on solar.

3. Comparatively High Capital cost

For considering the power generation this power generation method price is comparatively high. Since the main cost is to install Solar PV system and also install inverters to wiring system.

It is expected that the recent technological development will reduce the cost of the solar panel system. However, the capital cost which you need to spend to install such plants is really high.

4. Low-efficiency power generation

The efficiency is one of the important factors to consider in any power generation methods.

If we think about this solar energy the efficiency of the solar power plant is about 15% to 20% which is quite low compare with other power generation methods.

5. Need Additional Inverter

There is a special equipment call inverter need in the solar system to convert the DC current into AC current.

Normally the inverter is also costly and when the inverter not working the entire solar system collapsed.

6. Not good for consumers who shift randomly

This system is not ideal and not a good investment if you have any plan to shift or move in to other house.

But it can increase the value of proper try so you can sell your proper to for better price. Since the solar power provide a great investment for money for the longer term, for those who plan to shift regularly, solar energy is not a good option

7. Disposal of Systems is not environmentally friendly.

It is scientifically proved that the materials which use to create solar panels are not environmentally friendly.

It is believe hat this materials are frangible. So these panels are created out of the polluting materials which are not good waste for the environment.

Hope that you have get some basic understandings about the pros and cons of solar power system compare with other power generation methods.

In future we are plan to discuss one advantages and disadvantages of solar panels too. If you have any other advantage, disadvantages or concerns tell us in the comment section.