

Everything about Solar Panel Installation

Humankind has always depended on natural sources like petrol, coal and wood. But the truth is, these energy sources are limited. As the global population and the usage of electric appliances are increasing, the crisis is growing stronger. That is why the UK government is also providing incentives for never-ending energy usage like Solar Panel installation.

The most cost-effective and easiest way to reduce the use of electricity from the national grid is a solar panel installation at your home. After the solar panel installation, you do not have to spend a single penny on electricity, and you are actually reducing the carbon footprint. Here is all you need to know before you buy Solar Panels for home.

What is a Solar Panel

In simple words, a Solar Panel is a panel of solar cells that can capture the energy from sunlight and convert it into electricity. Solar panels are also called photovoltaic or PV panels which actually describe the nature of these rectangular cells. The PV or solar cells are arranged on a silicon panel and covered with a non-reflective glass that protects the cells within.

Solar panels are fit in such a way that the solar panel does not deform or damage. A solar panel has a water drainage hole so that water is not stored inside the panel that can make the panel less effective. Thus, solar panels are made in a very sustainable pattern.

Solar panels are very handy, long-lasting and require very low maintenance. By adding a Tesla Powerwall, you can even store all the energy you produce and use it at night or in times of need. With Eco Energy, you can get your solar panel installation done very quickly. Latest solar panel installation technology works even in locations where sunlight is not that sufficient.

How Solar Panel Works

How does sunlight convert into usable energy? Sunlight has the capacity to provide energy to our earth forever. The rectangular solar or PV cells basically capture this infinite energy of the sun and convert it to electric current. These solar cells are made of silicon, phosphorus and boron, which absorb the photon from the sun. The positive and negative charge of the cell produces electric flow.

Solar panel absorbs sunlight and stores energy through the battery which can be used at night, in remote devices and much more. Once the solar panel installation is done, the panel works on its own continuously and does not require any monitoring or assistance.

Through Net metering programs, one can earn money if his solar panel produces more electricity needed for the household. Proper solar panel installation by Eco Energy can give you highest efficiency even in not so sunny locations.

Process of Solar Panel Installation

Although solar panels are very easy to maintain, solar panel installation should be done by professionals for best output. Best place to install a solar panel is on the roof where there is no shade of a tree or anything else on top. For maximum sunlight exposure, the solar panel needs to be mounted in a tilted position of 18 to 36 degrees. As soon as the solar panel installation is completed, it has to be wired.

However, installing a solar panel on your own can end up in providing you with less outcome. For that you can get maintenance services from us, Eco Energy. Every 4-6 years, you should check up your solar panels to measure their productivity. We can make your life easier by taking care of everything regarding solar panels from installation to maintenance and check-up.

Benefits of Using Solar Panels

When the world is running out of fossil fuels, solar energy is the only cost-effective way out. Solar Panels usually have a warranty of 25 years but can last up to 40 years. The UK government is giving away incentives and support for solar panel installation, which makes the scene even better.

Solar panels can be installed in homes, roads, bridges, offices and even in space. The price of solar panels is reducing rapidly, and you do not need any permission for solar panel installation at your home. And after the initial installation, there are barely any other expenses. You start getting the benefits as soon as it is installed and there is even a chance for extra income.

Lastly, the way our earth is operating, soon there will be no fossil fuels or nonrenewable energies. At this point, the sooner you can shift to renewable energy sources, the more you are securing your future. Adding to that, by using solar energy, you are actually polluting the environment less and doing justice to the planet.

As the only difficulty with solar panels is the installation process, we are here to give you a hand with that. Eco Energy will take care of your entire solar panel journey from choosing the right panel for you to installing to maintaining and checking up your solar panel system. Give us a call for solar panel installation, and you are ready to go green and save money with your solar energy!