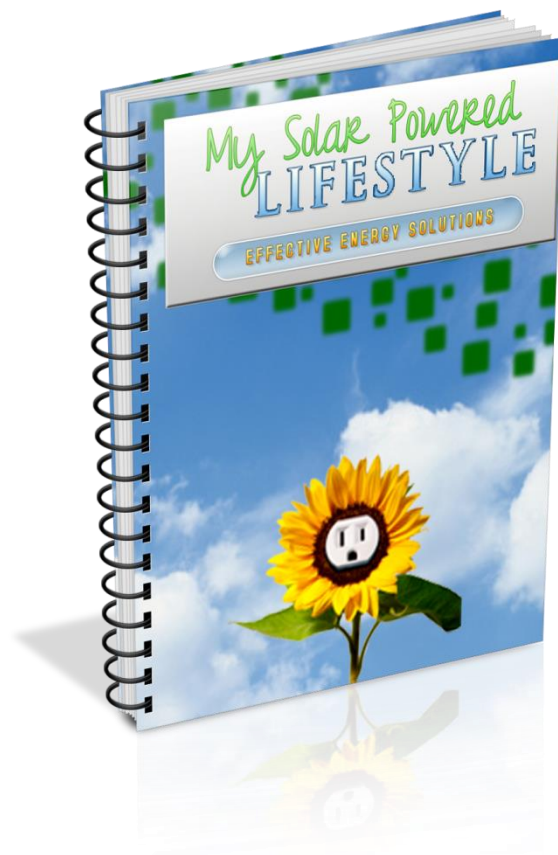


My Solar Powered Lifestyle



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Solar Power Info

Perhaps everyone knows what solar power is. For many years, solar power has been used but because of the inefficiency of the gadgets being used, it can't be utilized to its fullest potential. Researchers and scientists are continuously making improvements so that even ordinary people can now use solar power for their homes and for businesses. If you're looking for solar power info, you've come to the right place.

To understand solar power better, you must know some of its components. Firstly, take a look at photoelectric or photovoltaic cells. These cells are responsible for converting the sun's rays into electricity. The solar panel contains photovoltaic cells that produce the needed energy. With a square meter of the solar panel, you can already generate enough electricity to light a 100w light bulb.

Solar power can heat water in your homes as well. You will simply install glass panels on the roof and that's heat. A solar power thermal system can benefit you a lot by decreasing your monthly electric bills.

Are you familiar with solar furnaces? It makes use of mirrors to capture sunlight and provides high temperatures.

When using solar power, you need to know its good points and bad points. Solar energy can help in reducing pollution and waste. You will no longer depend on fuels for energy and the best feature of all is that it is totally free (that is, once you've installed a solar power system). Small villages that are located far from conventional energy sources can surely benefit from solar power. In sunny countries, solar power can be used to the fullest but since resources are limited, very few are able to enjoy its benefits.

Solar power is renewable and it can be used for different purposes. Examples are solar calculators, garden lights and fountains, and battery chargers. As long as the sun shines in the morning, you will get a renewable source of energy.

The problem faced by researchers today is that many places don't get enough sunlight all throughout the year. The solar power devices can work more effectively in places where the sun is brightly shining. Some places don't enjoy too much sunlight and this is where solar power becomes unreliable. A very good example is United Kingdom. In the UK, solar power can only be used in low-powered or small devices.

In the US particularly in California, solar power is used by many homes and establishments. The Los Angeles area gets a lot of sunshine and because of this it's much easier to generate solar energy. California's goal is to increase the use of solar power consumption to 10% in the coming years. The use of solar power is being enhanced year after year with the advancements in technology. Scientists and researchers are discovering new ways to use solar power to the fullest. Several years ago, using solar power was rather expensive but today, you can already enjoy its benefits for as low as \$200. The solar power systems kits are very affordable and you can use them to light your garden and other outdoor lights. If you can expand the system, you will soon be able to use it indoors.

You will know what solar power is by knowing its main uses. So whenever you see the sun, you will know that energy can be generated from it through the use of special devices and equipments.

Facts on Solar Power

The world is facing a lot of problems including that of environmental concerns like pollution and global warming. Despite these problems, people should not despair. In every problem, there is always a solution and this solution has been available for many years now. It's just that many people fail to realize its importance and efficacy.

Researchers and scientists have already discovered solar power many years ago but because of the lack of technological knowledge, the idea was not pursued. Solar power was mainly used for powering small electrical devices. But now, with the great technological advancements, people are hoping that solar power will soon become widely accessible even to ordinary individuals. In the US, solar power is used in the different states but it's not that prevalent. Huge solar panels are quite expensive and ordinary people can't afford to pay for them. You can now find solar power kits which are less costly and the price range from \$200 to \$500.

Before you consider using solar power, here are some facts that you need to be aware of:

1. Albert Einstein received a Nobel Prize in 1921 for his experiments on photovoltaic and solar power.
2. Silicon from a ton of sand can be used in photovoltaic panels to generate the same amount of electricity that a 500,000 T of burning coals can produce.
3. 10,000 US households are now using solar energy to power their homes.
4. John Herschel (British Astronomer) was able to cook food by using solar power 200 years ago during his African journey.
5. In 1982, the first large scale power plants was opened in California.
6. If you can use solar power in your home's heating system, you can slash the electric bill by 50%.
7. In the last thirty years, the price of solar panels has dropped considerably by at least 200%. Solar power kits can now be purchased from \$200-\$500.
8. In the year 2000, USDOE claimed that solar power is almost perfect (99%) in San Francisco; since California gets a lot of sunlight, 200 megawatts of green electricity can be generated if all the rooftops of county buildings and homes are covered with PV panels. By including school buildings, an added 1,500 megawatts is achievable. The generated power is enough to cover the city's electrical needs during an entire day.
9. Germany is now using solar power despite its undesirable climate. The energy generated during sunny days is stored in batteries.
10. Energy from the sun travels for approximately 8 minutes to reach Earth.

If you're interested in solar power and you want to try it out, you can start with a solar power kit. It is affordable and easy to assemble. The materials can be purchased from local hardware stores and the guides are easy to understand as well. Make sure that you purchase a kit that is manufactured by a prominent and trusted company to ensure efficiency. Some manufacturers also provide warranty for 10-15 years; take advantage of these great deals.

The facts mentioned earlier will help you to decide whether you can benefit from solar power or not. If you live in an area where there is lots of sunlight all throughout the year, solar power is an excellent choice. Solar power is free and clean. After your initial investment, you no longer have to pay for the energy.

Solar Power and Global Warming

Who wouldn't want to get a lifetime supply of free electricity? Well, that can be realized only if you install a dependable and durable solar power system. Solar power is free but only after the installation of the power system. Conventional electricity comes from the burning of fossil fuels that in turn contribute to global warming. The effects of global warming are quite evident nowadays. Many people are now interested in saving the environment to prevent the devastating effects of pollution. One way to decrease pollution and environmental concerns is through the use of solar power.

Solar power can be used in different ways especially in households. You can use it for lighting, for cooking, for heating the house, and many others. Utility bills are very expensive and you can cut it down by installing a solar power system. The system has solar panels that collect sunlight and converts the energy of the sun into electricity. You can readily use the electricity or it can be stored in the batteries.

The sun's raw energy can't be used to power homes and it needs to be converted first through the inverter. If you have a solar powered house, you can make use of renewable and clean electricity. Even if you can't cut off your traditional electrical supply, you will be able to reduce the consumption thereby helping the environment. Electricity is generated by burning fossil fuels that contribute to pollution and global warming. The supply of fossil fuels is also decreasing and the world might face electricity shortage soon if they don't conserve energy. It would be best to start using solar power now.

Through the efforts of SEPA (Solar Electric Power Association), the public is made aware of the many benefits of solar powered homes. This is the best time to make substantial efforts to save the environment. Solar power can't possibly replace conventional energy sources today but who knows. If the technological advancements can help in the enhancement of solar power systems, perhaps in the near future the whole world can go green.

Pollution is widespread and it poses a great threat to the world. By reducing traditional electricity consumption, you can also lessen pollution. Solar power can provide clean, renewable, and free electricity. It doesn't produce harmful emissions. You can enjoy free electricity as long as the system is working properly and as long as the sun rises.

The solar power systems are not that expensive these days. In fact, you already get a solar power kit for as low as \$200. Still, the large solar panels are expensive. The federal government in the US offers incentives, loans, grants, rebates, and other financial options to help homeowners in installing a power system. Take advantage of these financial options so that you can start helping the environment.

Solar power systems can serve your home for about twenty years when properly maintained. It's like an entire lifetime if you start now. If every home around the world patronizes solar power, global warming can be greatly reduced and Mother Nature can heal herself. Try to learn more about solar power and if you can afford to install a system at home or in the office, don't hesitate because you're doing the world a favor and you also get a lot of benefits.

Solar Power and Its Uses

Today, a very popular alternative energy source is solar power. Sunlight can be converted into energy with the use of solar power systems. The ways to generate energy vary and different methods are being followed to meet the needs of people every day. Can you imagine living one day without electricity? That'll be very hard and unpleasant.

In the past couple of years, people have talked about solar power and you can see a wealth of information online. The reasons why people became suddenly interested in solar energy is because of the ever increasing electric bills, depletion of fossil fuel reserves, and the environmental problems (i.e. global warming, the hole in the ozone layer, etc.).

These three concerns can be addressed by solar power and not only that, you can also save money in the long run after you're initial investment on the installation of the solar power system. Energy requirements of commercial and domestic establishments can be handled by efficient power systems. Some places who don't have easy access to conventional power sources usually opt for solar power. Luxury boats and recreational vehicles also make use of solar power. A small percentage of homes in the US also make use of solar power. You can now find solar powered generators, cookers, lights, garden fountains, etc. You can easily create your own solar panels through DIY kits that cost anywhere from \$200 to \$300. Once you've assembled the solar panels, you can now have renewable energy and the good thing about these power systems is that they require little maintenance.

Solar panels are bulky and ugly to look at especially if you place them on the rooftop. But with the availability of photovoltaic cells and shingles, the 'size' problem was effectively addressed. You no longer need to install bulky solar panels because the photovoltaic shingles are perfect for your home. The shingles are sometimes called photovoltaic tiles. The energy produced can be used for heating the house and water. You can even heat the water of your pool using solar power. The energy created by the photovoltaic cells and shingles is just like conventional electricity.

Are you familiar with solar water pumps? In remote places, the water pumps are powered by sunlight. Windmills are quite popular when it comes to powering water pumps but now, solar power has become a viable alternative as well.

When you use solar power, you can benefit as long as the system works properly and efficiently. Don't cut off your existing electricity supply. Since solar power is not that efficient (especially if you're using the DIY solar power systems), you need to use it in conjunction with the traditional energy source. Just in case something goes wrong, you can turn to the other alternative. By using solar power, you will notice a substantial decrease in the electric bill in the coming months especially if you're using solar power indoor and outdoor. Take advantage of the special programs, grants, and loans offered by the federal government for people who want to try solar power. Rebates are also given to individuals who are able to consume a certain amount of solar power.

Solar power has many uses and it is not just limited for home or office use. Discover other ways to use solar power. Use it now to help address the three concerns mentioned earlier.

Solar Power in the US

Sunlight contains energy and if you can capture it using a special gadget, you can turn it into electricity. For many years, solar power was always overlooked. But now that the world is becoming warmer, the sources of fossil fuels are depleting, and the cost of electricity is continuously rising, many people now realize the importance of solar power.

With solar power, you will no longer have to worry about electricity once you've installed the solar power system. Aside from that, you will get clean and renewable energy. When you install a solar power system, you're able to hit two birds with one stone – you're able to save the earth and you can save a lot of money in the coming years. The system can last for about twenty years and that's like a lifetime already. With proper care and maintenance, the system might reach thirty years of service.

In the US, solar power is gaining popularity. Years ago, it would have been impossible to use solar power in homes because it was too expensive. But thanks to modern technology, many homeowners in the US as well as businesses now make use of solar energy. Power bills can surely be reduced thereby saving the environment and the pockets of homeowners or businesspersons.

Some places in the US enjoy a lot of sunlight particularly Los Angeles California. There are so many solar power systems available today and solar panels are just one of them. Despite the many benefits of solar power, have you ever wondered why very few people use it? At this point, experts claim that solar power is still inefficient. To generate more electricity, then larger solar panels are needed which are quite bulky. Just imagine putting a large and ugly panel on your rooftop which can destroy your home's overall beauty? Readymade solar panels are quite costly that ranges from \$35,000 - \$250,000 depending on the size.

Scientists are still conducting researches and at present, solar power is said to be more efficient now unlike many years ago. Drastic changes were made thereby improving the solar panel's price and appearance. With the invention of the photovoltaic cells, solar power was greatly improved. The cells will be placed on steel substrate to capture sunlight and the energy will be stored within the battery. The photovoltaic panels contain n layers of cells thereby increasing its efficiency. These new panels make use of the 'amorphous silicon thin alloy technology'. Through this technology, the cells are not bulky anymore and highly efficient. With stylish photovoltaic panels, your house or office will still look pleasant even with the panel on top.

Aside from the cell, photovoltaic shingles were also invented. Basically, the shingles modified solar panels. If you don't want to use bulky solar panels, this is an excellent choice because of its aesthetic and convenient design. The photovoltaic shingles look like ordinary shingles and are colored black.

The photovoltaic cells and shingles have definitely enhanced the solar power technology. Who knows? Perhaps in the future, experts and scientists can now develop smaller cells, panels, etc. Check out LA and see the solar powered homes there. You can now start calculating your home's electrical requirements so that you can determine the right size of the power system. Start with a small project and work your way up but if you can afford to pay for ready-made ones, go ahead.

Solar Energy – To Supply the Needed Power

The world is currently suffering from energy and fuel crisis. Fossil fuels are incessantly depleting and so energy bills are soaring higher and higher. Many homeowners and establishments are now complaining about their huge expenses. But did you know that there is an answer to the crisis and it has long been available to man. However, because of its inefficiency, it is not recognized as a viable solution. Solar energy is free but the cost of generating it is a bit expensive. With the vast improvements in technology, there are now more affordable options for those who want to use solar energy to supply power in their homes and offices.

Today, you can find a lot of manufacturers that market solar power kits. How effective are these power kits anyway? Many households are now utilizing the kits because they are efficient and convenient in generating the needed power from sunlight.

Battery chargers that are powered by solar energy are now widely available. Now, you don't need to rely fully on conventional electricity to power electrical devices. If you install the right size solar panel, you may be able to decrease your dependence on conventional energy sources. The energy from the sun is free and you will simply need to invest on the kit for a good power system.

People usually think that without sunlight, power can't be generated. The power kits are not only designed to capture the sun's energy but also to store the energy as well. During sunny weather, energy from the sun is converted into electricity and those that are not consumed will be stored. The stored energy can now be used at night or during unpleasant weather.

With portable chargers, you won't be able to get enough power. You can only use them for recharging small electric devices and batter packs. Cellular phones can be charged using the portable solar power chargers. The power is easily drained out and so it's not a very efficient source of energy. Despite the shortcomings of these devices, it would help if you still have them around. Who knows... a few years from now, researchers and scientists may be able to make a major breakthrough in solar power.

Since the power kits are affordable, a lot of people are now using them. A solar panel usually has one charger where you will plug the equipment. The solar chargers are very useful and you can carry them even in your hiking trips. Just place them on your car's dashboard where sunlight is accessible.

The portable chargers or solar panels can be mounted in the rooftop to get a lot of sunlight. The large panels are still expensive and not many people can afford to buy one. However, governments can subsidize the investment to set up the power system. If you live in a place where the government offers subsidies, grants, and loans for the use of solar power, you're quite lucky. Take advantage of it so that you can now use free energy. Tax incentives are even offered in some places to encourage residents to go for solar power.

If you're still not sure about the efficiency of solar power, you can start by using a power kit. You can get the kit for as low as \$200 to \$300. Try it now and expand the system later on.

The Advantages of Using Solar Power for Homes

There's nothing wrong about being environment friendly. In fact, the Earth needs it because of the many problems it is currently facing such as global warming. To generate electricity, fossil fuels are needed but with the continuous burning of fuels, global warming will also become worse. Because of this fact, people are already opting for solar powered homes nowadays. You don't need to be rich and famous to use solar power since the solar systems are more affordable these days.

There are advantages in using solar power for homes. How much are you paying for electricity bills every month? Many homeowners have aching pockets because of the costly electricity expenses. One way to reduce your bills is by opting for solar power.

You don't need any wiring if you use solar power systems. For instance, for your garden lights and water features, you can use solar power. Most of the gadgets have darkness sensors and you no longer have to worry about turning them off. Solar lights are readily available and you will just need to take them out and place them in the right place where you want to get some good light.

Solar power is environment friendly. It is an excellent form of renewable and clean energy. You won't contribute to pollution unlike fossil fuels. By using solar power systems like the solar cooker, solar thermal systems, and solar generators, you can cook without emissions. Thereby, you can help in saving the environment.

During the initial phase of using solar power, you will need to spend money. Just think of it as an investment where you can benefit in the long run. With under \$500, you can already use solar power in your home. Solar power is free since you will use the sun's energy to create electricity. You can make use of solar lights, solar panels, etc. Don't cut off your conventional electricity supply even when you're already using solar power. It's not always sunny all throughout the year and so you will need to traditional electricity during rainy days. The best thing about solar power is that you can decrease your monthly electric bills. If you can convert your home into a full solar powered house, you can surely benefit greatly and you will not worry even if fuel prices increase.

Power outages usually occur when there are problems but as long as you have solar power, you can enjoy using electrical appliances continuously. For those who are interested in solar power, you can start with simple projects like the water features and lights in your garden. These features are easy to develop and you won't need any wiring.

In everything you find here on earth, there are advantages as well as disadvantages. True enough, solar power has many advantages but you also need to look into the disadvantages. You need to weigh things first before you consider opting for solar powered homes.

Today, you can easily purchase solar power devices like flashlights, pool purifiers, ventilator, mosquito inhibitors, heaters, fountain pumps, radios, lighting, and many others. Prepare to spend for the solar power devices but don't worry. After several months, you can now start saving a lot of money on your monthly bills. Think of it as a one-time investment and in the future, you can surely earn huge profits.

Solar Power– A Must for Homes

‘Going green’ is the trend these days since the world is facing a lot of environmental problems specifically global warming. Electricity comes from fossil fuels which are being burned. The emissions contribute a lot to global warming and one way to address this issue is by using solar power for homes. Even the federal and state governments are now encouraging many homeowners to utilize solar power by offering grants and loans. Solar power is a must for homes and it is not just for the rich people.

Are you familiar with DIY solar power kits? The DIY kits are widely available in online stores and perhaps in local stores. All you need to do is shop around and find a suitable system that can work for your home.

Why is the solar power system a must for homes?

As mentioned earlier, the government is also supporting green energy through grants and loans. Aside from that, there are also incentives. For instance, if you spend around \$20,000 on system installation, the state government will give you a 30% credit. This means that your next tax bill will decrease by 30% of \$20,000 which is \$6,000. The credit can also be extended to the following year as long as the amount is covered fully.

Once you install the system, it requires minimum maintenance. Make sure that you also clean and clear it properly. You can consult a professional who knows a great deal about solar power systems and have yours checked annually. Most homeowners do little work on their systems and this is a great advantage.

Sunlight is available for all and since fossil fuels are depleting, it is an excellent option. If you install a system for your home, you will simply need to invest once and after that, you can now benefit as long as the system is working properly. Your electricity bills will surely be reduced and so you will have smaller bills every month. You can use the solar power system for your outdoor lights, garden lights and features, and even for indoor use as long as the inverter is big enough.

Solar panels are one of the most popular solar power systems used today. If blackouts are quite common in your area, it would really help a lot if you install solar power. That way, even if other homes don’t have electricity, your home can still have electricity. Solar panels are reliable as well as the other systems available today. Most manufacturers also provide warranty and so you can expect the solar panels to be durable. You won’t hear any noise since the panels are working quietly while producing the needed energy.

Electrocution cases are rare since the photovoltaic cells have low amperage and are very safe. Power is produced without emissions or fuel combustions.

Most of all, with solar power systems, you can help in saving the environment. You can help in decreasing pollution and the degradation of the environment. The power systems can last for decades

with proper maintenance and care. If you're interested to go green, don't hesitate to install a solar power system for your home. This is the best time to make a choice – a choice that can have a significant impact to the world. After installation of the system, you can now enjoy a continuous supply of green electricity.

Solar Power for Homes and its Benefits

Modern technology can do a lot of great things. One is the use of solar power for homes. Did you know that you can enjoy many benefits from using solar power? Solar panels can now be created at home by simply following comprehensible do-it-yourself instructions. Building power systems is no longer very expensive these days and it's also not as hard as you think.

With the increasing demand for solar powered homes, you can now find a wide range of DIY projects in the market. The reasons why many homeowners are now choosing solar power for their homes is because they want to help in the persistent global warming crisis and electric bills cost a lot these days.

The electricity supplied in modern homes usually comes from different power plants. These power plants use fossil fuels and so the electric charges are greatly dependent on the prices of natural gases and crude oil. Fossil fuels are also depleting. There is a high demand for electricity but the resources have decreased greatly. In this kind of situation, the electrical costs will still continue to increase. The solar power for homes is an excellent answer to the problem.

By using fossil fuels, the problem with global warming will become worse. Harmful gases are emitted by the fossil fuels to produce electricity. If you don't want to contribute to the environmental problems any further, why not use solar power for your home now?

Several years ago, the solar cells were really expensive and inefficient. Back then the solar cells were quite inefficient since they can't convert 100% of the rays of the sun into electricity. Most solar cells can convert only 10-25%. In the year 2003, a new product was introduced and it was called photovoltaic cell. The new cell can convert 36% of the rays into usable electricity. The cells were also affordable. The modern sunlight technology is now widely available and even ordinary homeowners can take advantage of it.

The solar power kits are available worldwide. You can purchase them in online stores or you can also shop around in local stores. If you're unsure, it would be best to shop online. There you can find several reputable sellers and manufacturers of solar power kits.

The solar power kits provide step by step instructions on how to assemble the different materials. Hardware stores usually sell the different parts of the solar power system. If create your own solar

power system, you will only spend about \$200 and it already includes the guide. With such a small investment, you can already benefit from solar power for many years. You're not only saving money but you're also helping in saving the planet.

Renewable and clean energy sources are in great demand these days. The homes of the future are now possible in today's modern world. You can start with small projects and work your way up. For instance, you can first work on the outdoor lighting first and if it proves to be beneficial, you can do another project.

Don't cut off the existing electrical supply especially if this is your first time to do solar power projects. Just use it as a supplement so that you can lessen your electricity consumption. Start with your DIY solar power project and light your home using the sun's energy.

Solar Power for Homes: Things to Consider

Do you think that using solar power for home is a great idea? Well, only you can answer that question. Before you embark on any project, you must have enough knowledge about it. Make sure that you do your homework first and learn everything you can about solar power. The world is suffering greatly from global warming and one of the primary causes is the use of fossil fuels to create electricity. Electricity is a necessity and because of this fact, people can't do away with it. There is a need to look for alternative energy sources and a very good one is the use of solar power.

Before you make a decision and use solar power for your home, here are the important considerations that you should look into:

1. Where do you live? What is the weather in your area? Is it always sunny in your area or is it always raining? Are there tall trees near your house? You must answer these questions first before you start with any DIY project to create solar power for your home. If the weather is frequently sunny, then it might be a good idea to use solar power. For those with lots of trees in their yard, you need to get rid of them but this is not a very easy thing to do since trees are also very important. Local authorities might not permit you to do cut down huge tall trees. Study the weather in your area as well as your location. To use solar power, you will need the rays of the sun. Rain, clouds, and trees can block the sun's rays and so you might end up wasting money.

2. Where do you plan to install the solar panels? You must determine the place where there is lots of sunlight all throughout the day. You can't install the solar panels in an area where there is very little sunlight. Study your home's surroundings. Find the perfect place where the panels can get a lot of sunlight so that you can benefit from it greatly.

3. Do you have enough knowledge on how to connect solar power into the electricity grid of your home? You can also conduct a research about it. The solar power DIY projects usually provide a complete guide on how to install the solar power to your homes. Just follow the instructions carefully to avoid committing mistakes. If you're not that sure, you can always get an electrician to help you with the task.

Solar power can reduce your monthly electric bills by more or less 80% depending on your solar power project. In no time at all, your home can become self sufficient and you will no longer depend largely on the conventional energy sources.

Aside from that, the carbon emissions are also reduced thereby saving the environment from further damage. With a solar powered home, you can enjoy an endless electric supply that is clean, green, and fresh.

Get a solar power DIY kit now and get the needed materials. You can also ask other family members to help you out. That is, if you think that solar power is best for your home. Go through the three

considerations mentioned above so that you can make an informed decision. This is the time to save money and help the environment, act now.

Solar Power for Homes – Not Just For Rich People

Solar power is free. Well, that is, once you've finished installing the solar power system. Today, the homes that use solar power are limited and most of them come from the rich sectors of the society. The cost of installing solar power systems can range from \$35,000 - \$250,000. However, there are cost effective systems but you need to build them on your own. These DIY solar power kits can be obtained from \$200 to \$350.

Because of the technological advancements, a lot of homeowners are now able to use solar power at a very affordable cost. In some places, the government monitors the solar power consumption of some homes. Programs were also launched to encourage other homeowners to opt for solar power. For example, when the solar power consumption has reached a certain point, rebates will be given.

The expensive solar power systems can store the energy of the sun effectively in the batteries but the less costly versions are not that efficient. Still, if you try to scour the net, you can find homes that are successfully using DIY solar power systems. In Los Angeles California, a lot of homes now enjoy solar power to the fullest. It is always sunny in this area and it rarely rains. Before, solar panels were really ugly but because of today's modern technology, the panels are more stylish and can blend well with the existing design of the house. Many homes in California now opt for solar power because of the constant blackouts. According to some experts, California is hoping to achieve a 10% overall consumption of solar power in the area by 2020.

Some celebrities also have solar powered homes in LA like Edward Norton, Julia Roberts, Larry Hagman, and Jackson Browne. Well, these celebrities can definitely afford to pay for the expensive installation of solar power systems. For starters, why don't you try to install DIY kits? These are more affordable and if you like to do things on your own, this is an excellent project. However, when it comes to electrical matters, you will still need the services of an experienced electrician. The solar power will be connected to your existing electrical supply and so you might get electrocuted if you don't have enough knowledge about it.

Going green these days is vital to save the environment. Global warming has taken its toll and people from all over the world can now feel the consequences. Using solar power is a very effective way to help save the environment so that you can no longer depend entirely on conventional electricity. Perhaps you're already aware that electricity is generated by burning fossil fuels. The emissions from the burning of the fuels contribute to global warming. When you use solar power, you can decrease electrical

consumption and in turn you can save a lot of money. Say goodbye to expensive electricity bills and save money.

Solar power for homes is for everyone and not just for the rich and famous. If you can't afford the ready-made varieties, you can create your own by simply following a guided instruction provided by a reputable and established manufacturer of solar power systems. Choose the appropriate system. The size of the system should also be considered so that your electrical needs can be met. Install a solar power system in your home and witness its benefits.

The Cost of Solar Power Installation

Many years ago, it would have been impossible to use solar power at home because the installation cost was too expensive. However, with the advancements in technology, households and offices can now make use of solar power because the solar power system kits are more affordable. Homes that have solar power systems can expect added market value and aside from that, you can expect a significant decrease in your electric bills.

How much is the cost for installing a solar power system? If you live in the US, you can take advantage of the financial incentives offered by the government to make the installation cost more affordable.

Before you finally decide to use a solar power system for your home, you need to calculate your electrical needs. Determine the kWh that your home consumes in a month and in a year. You can find such info on the monthly utility bill. Study the bills so that you will know which months have the greatest consumption and the months with the least consumption.

New homeowners can compute their electricity consumption by checking your electrical appliances. Just estimate the load based on your appliances, lights, and other things that consume electricity.

Electricity bills are showing a continuous upward trend and so many people are now complaining about their monthly bills. A very good answer is solar power. Where do you live? The place where the home or establishment is situated is a primary consideration. In the US, you can install the solar power system in any of the states. If you can find solar contractors locally, you can seek their help to determine the appropriate size of the system.

1-5 kW of solar power system is already enough to meet your home's electricity needs. You don't need to cut off your existing power supply in order to utilize solar power. You can simply use the photovoltaic systems as a supplement. This step alone can already reduce your monthly bills. Do you have enough space for the photovoltaic system? For every square foot, you can already yield 10 watts; you can start your computation from there.

Here's how you can compute the total cost: the retail price of the system plus the cost of building permits, less federal tax credit of \$2,000 and the local or state rebates/tax credit, less other incentives equals to your net investment. You can shop around for the best and most suitable solar power system in the market. If you live in California, it will be easier to find local sellers of solar power systems because many homes in the city are already solar powered. For those living in other places, it would be easier to shop online. There are lots of online stores that offer photovoltaic systems but try to stick with the reputable and established manufacturers that offer 10-15 years of warranty.

Instead of paying for expensive monthly utility bills, why not invest in solar power systems? The total cost will depend on the size of the system, your location, and other related factors. Inquire at a local agency about the incentives offered by your state so that you can also save money. It's a wise decision to invest in photovoltaic systems because you'll benefit greatly in the succeeding years. Shop around now and determine your available options.

What to Expect from Solar Power for Homes

Years ago, solar power was used mostly for magnifying glasses and calculators. Now, it is already possible to use solar power for homes. The energy of the sun is widely available and scientists are improving solar power systems year after year. Electricity is a necessity and life will be quite hard without it. However, the fossil fuels are depleting and electricity is expensive. The use of fossil fuels also causes damage to the Earth, thereby causing global warming and other environmental problems.

Solar power for homes is a renewable and much better energy source. Many homeowners are going green these days because they want to save money and the environment. Despite the encouragement of the government and other organizations, only 1% of the total homeowners use solar power. If you're in the US, why don't you visit California? You can find many solar powered homes in California.

The energy of the sun can be used in different ways to create electricity. A very good example is the use of solar generators. The generator is powered with the use of mirrors that focus and reflect sunlight. When heat is created, the generator will be powered. Photovoltaic cells are also quite popular and these are available in solar panel DIY kits. The panels are usually mounted on rooftops. When sunlight hits the photovoltaic cells, electrical charge is created which in turn power homes and offices. You can purchase the kits from online stores or even in your local area. Just shop around for the best and highly effective panel kits; these kits already include guided instructions so that you can develop a homemade solar panel.

Ordinary homeowners still find solar power too expensive and that's the main reason why many people still opt for conventional electricity. With the modern technology of today, scientists and researchers are looking for cost effective ways to offer solar power to the public. Did you know that you can also store the energy that comes from sunlight? This is true and so you can still use solar power even when there's no sunlight. So whether it's nighttime or it's raining, you can use renewable and clean energy.

Solar cookers, thermal systems, and many others are excellent alternatives but you need to know how to use them effectively. The very first step that you need to take is to determine your monthly electrical consumption. You can do this by checking your electricity bills and get the average monthly usage. You also need to consider the weather or climate in your area. After determining your electric consumption, you can now decide on the appropriate inverter. A bigger inverter can accommodate expansion in the future. For people with limited resources or budget, you can start with the simplest projects like outdoor lights and garden features. Even if you use smaller solar panels, you can still cut down your electrical bills by 50%-80%.

Try to have realistic expectations when using solar power. You can't give up conventional electricity completely but if you can use it together with solar power, you can save a lot of money in the long run. Make this one-time investment and enjoy lasting benefits in the coming months and years. Solar power for homes is an excellent investment and you too can enjoy a greener and clean lifestyle.

Common Solar Power Systems for Homes

Are you one of those homeowners who are dreaming of having solar powered homes? Perhaps you're already familiar with DIY solar power kits. The idea may sound inviting however a lot of people are scared to create their own solar power system. Solar power is usually available in three kinds. You too can use any of these powers gradually.

People usually associate solar power with solar panels. But you see, solar panels are not the only source of power. You can choose among the several components known today. Take a look at these solar components that you can use at home.

1. Solar cookers – this is already a common way of using solar power. Some people may find the cooker slow in terms of performance but if you're not rushing, you can surely cook on time. You can use the solar cooker to roast, bake, and boil. This is best suited for a small family with a maximum of 5 members. You will no longer need fuel since you will be using only sunshine. There are also no emissions or smoke.

2. Solar thermal systems – this is an ambitious system but it's simply an update of the oldest known consumer technology. In this system, you will need solar panels. From the panels, the sun's heat is transferred to a water tank. The water in the tank is heated. Your home can also be heated by putting some pipes. This was already available back in the 80s but it was rather expensive. Today, the thermal systems are more affordable and efficient.

3. Solar generators – many homeowners are now utilizing solar generators for alternative power. The generator makes use of photovoltaic cells where the power inverter is hooked. You can use the solar generators for your lighting system at home. The electrical power is stored in the batteries and you can use it later. By using solar generators, it would be possible to run some electrical appliances. If you have \$200, you can already create the generator.

A wealth of information can be found on the net if you simply do your homework and look for useful info. By purchasing the DIY kits, you can create your own solar power system. There are also instructional materials available online that provide step by step instructions on how to create solar panels or cells. It would help a lot if you conduct a search online and read the step by step instructions there; that way, you can determine if you can carry out the project or not.

Solar power systems are not that difficult to create especially if you already have a considerable knowledge about it. All you will need to do now is to establish a workable budget so that you can start with the right project that you can afford. You can start with very simple solar power systems for your home like the solar generators. The generators are much more affordable and easy to make. After some time, you can now make more complicated plans like the thermal systems. Solar power for homes is an excellent alternative to those who want to save on electricity and help save the earth.

Don't think twice and if you have the money to purchase the materials to make solar power systems, go for it. In the coming months, you will surely benefit from it.

How to Install a Solar Power System for Homes

Ever since man existed, sunlight was and will always be available. For several years now, a lot of people are complaining about the ever increasing electricity bills. Because of this, solar power systems became great alternatives through the years. Sunlight is readily available especially in countries where they get a lot of sunshine. With the yearly improvements in modern technology, solar power for homes is now more advanced.

With just a little amount of sunlight, you can already get more electricity. With only a few solar panels, you can generate the needed electricity for your home. Even if you live in a small house, you can install a solar panel.

Most of today's homes are not properly oriented to get a lot of sunlight and this becomes a great problem. New solar power systems are more efficient and can generate quality electricity with less sunlight. The modern solar panels are installed at steeper angles but can still tolerate sunlight. So, if you're home doesn't have an ideal orientation, it would still be possible to generate solar power.

Solar panels are usually installed on top of the roof together with an effective rail system. The panels are able to slide at the best position to get sunlight. The system is also ideal just in case you want to expand later on.

Before you install solar panels, you need to determine the electricity requirements of your home. To calculate your monthly electrical consumption, you will need to go over your electrical bills and determine the average usage. After that, you can now pick the right system size. If this is your first time to use solar power, it would better to start with the simplest project you can find. Make room for expansion as well so that you can expand the system little by little especially if you have limited resources. Even if you use solar power as an alternative, you will surely be able to cut your bills by 80% in the coming months.

For instance, for simple projects, you can start working on outdoor lights, garden fountains, etc. Later on, you can use solar power for your indoor electrical requirements.

When installing a solar power system, one of the most important considerations is the inverter. Make sure that the inverter's size is properly chosen; you see, this will be responsible for converting DC into AC. Pick the appropriate size inverter so that you can meet all your electrical needs.

It's a good idea to purchase a bigger inverter even if you're only planning to install a smaller system. That way, when you finally decide to expand in the future, you will just wire them in.

If you're not an electrician and you have limited knowledge about electricity and electrical components, try to hire someone to connect the inverter. The solar power system needs to be connected into your home's electrical system. Dangerous voltages are present and you might get electrocuted. Only an electrician can comply with the local codes so that your project can pass the inspection. The state and federal government also provides incentives for homeowners who decide to go for solar power. You can avail of loans or grants so that you can install the solar power system soon. Take advantage of these special programs so that you can start benefiting from an efficient and clean electrical system.

Solar Panels - Power for Homes

Power systems that generate clean and renewable electricity usually make use of solar panels. A lot of homes are now using solar power specifically in California. If you want to get a continuous supply of electricity, you can get solar panels. The solar panels will then provide electricity that you can use outdoors and indoors. The solar panels will be connected to your existing electrical wirings and so you will need an electrician to do the task for you. Once you start using the solar panels, you can now enjoy free electricity. In most cases, homeowners are able to enjoy 50% to 80% reduction in monthly electrical bills.

The cost of oil is increasing yearly as well as other commodities. It is very important to save money these days because you can't tell if the financial situation will continuously improve or perhaps get worse. It's natural for people to save and look for less costly alternatives. Solar power is free once you've purchased the needed materials and you follow the guided instructions properly.

The sun will surely shine in the morning and so you can expect to generate electricity everyday. Years ago, people did not use solar power because the silicon systems that are high powered were too expensive. With the advances in modern technology, solar power is now readily available at a very affordable cost. Residential houses can benefit from these solar power systems because electrical costs are reduced. There are solar panels being sold today but are still a bit costly. However, if you want to save money, you can start building your own. The needed materials can be bought in local hardware stores; by purchasing DIY kits, you can build the panels by following the instructions carefully.

The panels are usually mounted on rooftops where there is lots of sunlight. You must ensure that the panels are working efficiently. You need to clean the panels and check it but all in all, the solar panels require slight maintenance. This is the perfect energy solution for your home and you know what – the panels can serve you for about twenty years or even more when properly maintained.

The designs of solar panels today are not ugly to look at. In fact, solar panels can now blend with your home's existing design. Find the perfect ready-made solar panel in the market or you can simply build one yourself. There are several reputable manufacturers that you can find and it would be best to stick to established and reputable ones. Most of the solar panels come with 15-20 years of warranty. Isn't that amazing deal? So if anything goes wrong, you can always take advantage of the warranty. Oftentimes, the products that come with lifetime warranty are durable and can withstand harsh weather conditions. You can start with small solar panels but purchase big inverters. That way, you can expand in the future and buy additional panels. For those who can afford to fully invest in solar power for their homes, then why not buy the needed solar panels so that you can now use solar power to the fullest?

Now, you don't need to rely entirely on conventional electrical sources. The solar panels can provide the needed electricity day and night regardless of the weather. Power your homes with solar power now.

Solar Power or the Use of Generators

Every year, the environmental problems are getting worse. Global warming, pollution, and other concerns are now very evident. Many environmentalists are now taking an active part in the hope of saving the world before it's too late. One way to effectively address such problems is by using solar power. With many households and establishments using generators to back up their power supply, which do you think is the best choice?

Power failure happens in the most unexpected hours and so having a generator can provide the needed power. The portable generators are widely used and you can even find large generators that provide emergency power. If you want to help in reducing pollution and other environmental problems, why don't you opt for solar power instead?

The initial cost is a very important consideration but you will also need to look in the benefits that you can gain the future. Installing a viable solar power system can be quite expensive than just purchasing a portable generator. However, once you've installed the power system, you can already enjoy free unlimited power supply. Maintenance is minimal and you will not spend huge money on it. You don't need to buy fuel just to run the system because the energy of the sun fuels the solar power system. In a portable generator, you will need to buy fuel to run it and so you will continue to spend money to enjoy power supply.

Generators can be purchased easily, online or locally, and so it's quite convenient to obtain them. On the other hand, solar power is not that convenient to install and purchase as well. The market for solar power is rather small but because of the technological advancements, the market will soon grow. Today, the best way to obtain solar power kits is through the internet. Anyone can settle for a little bit of inconvenience especially if huge benefits are involved. Besides, after the installation of the solar power system, you don't need to monitor it often unlike in generators where you will refill the fuel, change the oil and filter, and two times servicing in a year. The solar power system can last for twenty years even with minimal maintenance.

Both solar power and portable generators are efficient. However, when it comes to cost-efficiency, solar power is ahead. As long as the sun shines, energy can be generated. The system can also store energy so that it can be used at night or during rainy days. In a generator, you will need to re-fuel from time to time. You will need to pay for the fuel every time. Sunlight is free but fuel is not and so the cost efficient option is very obvious.

In terms of dependability, solar power and generators are almost the same. Solar power is best used in places where there is bright sunlight all throughout the year. If the period of bad weather is lengthy, all the stored power can be consumed. Generators can be used whether it's sunny or rainy but the problem lies with the source of fuel. If you can't refuel the generator, it will not work.

It's your choice whether you will use solar power or a portable generator. It all depends on your capacity to pay for the device. You can further evaluate these two by reading this article carefully.

Solar Power for Camping Trips

Perhaps you've already heard about solar power systems. People often think that solar power is very expensive but that was years ago. Today, you can already find more affordable alternatives in order to enjoy the free energy from the sun. Many individuals love to go camping and if you're one of them, you may as well carry a solar power system with you.

But are the systems reliable, portable enough, practical, and readily available?

RV camping can be a lot more fun if you have a solar power system with you. However, some campers simply find the whole system as unnecessary. The camping spaces are usually fully hooked up so you won't need the system unless there is power failure. The trips are usually carefully planned and you will need to reserve for the hook-up. You can also go on an RV camping without the hookup. You can explore quiet and remote places for a couple of days. In this case, the solar power system is a must and it's practical to have them around. Before you go camping, you must determine your electrical requirements. The camping schedule should also be appropriately chosen to make sure that there will be plenty of sunshine. The batteries can be charged using the system. Once you determine the load, you can now estimate the size of the system. Purchase the needed materials and start the installation of batteries, solar panels, and inverters. These are needed to produce the required energy.

Today, there are several solar power systems that are suitable to RVs. Shop around and you can find one that will suit your budget and needs. If you're planning to bring electrical devices, you must calculate their energy needs so that you won't use up all the solar energy. Try to limit the number of electrical devices you bring; besides, you're going camping to explore nature so you can do away with the convenience of these devices.

Even if you're camping without RVs, you can still make use of the solar power system. You can already find lightweight and portable units that generate solar power. There are flexible panels that can be carried to campsites and you will just spread them on the ground where there is direct sunlight. The generated power is enough to light a small bulb and a heater. Special backpacks collect sun's energy and convert them into electricity which can be used to recharge your iPod, camera, and cellular phone.

Solar power is no longer limited to homes, offices, and other bog establishments. Now, it is already possible to carry solar power systems anywhere you go. Camping will be more fun if you bring a solar power system with you. Forget about conventional generators that consume fuel. You can get free

electricity from the systems that are sold in the market. In the US, solar power is already recognized and many households are now using them.

Next time you plan to go camping, make sure that you bring a dependable solar power system. Plan your outing carefully and make sure that you pick the right date and day as well. If it's sunny, you can produce more energy. Bring limited electric devices and bring only the essentials. Solar power is clean and renewable so you can stay out camping for as long as you like without worrying about energy consumption.

Wind and Solar Power

Going back to the basics is the trend these days. Many people are now aware of the many problems faced by the world which includes pollution, depletion of natural resources, increasing population, and many others. With so many problems to deal with, people don't know where to start. You don't have to be a hero to help save the world and address its many problems. Why not contribute in your own little way by using solar power and wind power?

Sunlight and air can be converted into energy through solar and wind power. A solar power system collects sunlight which can directly heat homes or it can convert the heat into usable electricity and store them in batteries. Wind energy can also create usable electricity or the mechanical energy can also be used directly.

There are advantages of using solar and wind power. After the initial expenses for the installation of the systems, you can enjoy free energy for many years. Most of the power systems last for approximately twenty years and require little maintenance. As long as the systems are cleaned once in a while, it will surely work efficiently. Solar and wind power are both pollution free and does not emit greenhouse gases that contribute to global warming. Solar panels and wind turbines require little maintenance. Some people are concerned about wasting land to install wind turbines but you can still use the land for planting crops and for grazing animals.

According to researchers, the efficiency of these systems relies on the environmental elements. Germany and Japan are leading the way to the improvement of solar energy despite the fact that these countries get very little sunshine in a year. On the other hand, wind turbines are too noisy and unsightly. Turbine blades cause the noise and the huge structure can ruin any landscape.

To produce significant energy, you will need a lot of solar panels or reflectors and turbines. Size is a vital consideration for producing the needed energy. Have you ever been into remote areas? You can use solar power and wind power to generate the needed electricity. During daytime, you can depend on solar power to provide your electric needs and at night, you can use the wind turbines.

Solar power systems and wind turbines are not very difficult to install. In fact, there are now DIY kits that can be readily purchased locally and in online stores. You will just follow the guided instructions and get the necessary materials. The systems can be installed over the weekend. For those who live in the city, you can take advantage of the tax incentives, financial options, rebates, loans, and grants offered by the government. That way, you can have the system installed at a very affordable cost. In the case of wind turbines, you will need a lot of space. There are now turbines that produce less or no noise at all which are excellent for homes with close neighbors.

The decision to use solar power or wind power is a matter of personal choice that is usually affected by certain factors like money (investment), space, and energy requirements. Just imagine making a one-time investment and after that you can already enjoy unlimited and free supply of electricity. Regular inspection can ensure that the systems are working efficiently.