



## **Benefits of Solar Panels for Homeowners**

Many homeowners have seen solar panels up on homes in their community. They wonder if residential homeowners really benefit from solar power. The energy that the sun provides to the Earth for one hour, could meet the global energy needs for one year. We can harness only 0.001 percent of that energy.

Solar panels have been used on homes long enough for the homeowners and the housing market to notice the advantages, including a potential increase in home value, reducing electricity bills, low maintenance costs and long-term energy savings.

In his article, we explore the important benefits of solar panels for residential use and how solar energy can meet energy demands in your home today.

### ➤ **Choose a Sustainable Energy Source**

- Homeowners who choose to employ PV panels are using a sustainable energy source to provide energy to their home. Solar power generation is useful in curbing emission of carbon dioxide, other gases and toxic by-products into the environment.
- Along with the United States, countries like Germany and China, have invested into this reliable source of clean energy. The manufacturing and processes of solar energy takes fewer resources than that of traditional forms of energy, like natural gas, coal and oil.

### ➤ **Boost Home Value**

- A solar panel system can make a home more attractive to potential homebuyers. As buyers become interested in features that can reduce energy costs and improve energy efficiency, solar panels are one way a listed home can stand out from available homes in the community.
- According to one study, homes with a solar panel system can be sold for as much as 17 percent more and be sold as an estimated 20 percent faster when compared to similar homes lacking a solar panel system.

- Additional research suggests that the sale price of the typical home may increase by \$17,000 by having a solar panel system. This makes it possible for homeowners to make money on a solar panel system long after they have recouped the costs of the initial investment.

### ➤ ***Spend Less on Energy***

- Those interested in solar panels can buy them outright or lease them. Homeowners who want to buy solar panels may have to spend money initially to buy and install the solar panel system on the home but they can offset initial expenses with federal and state tax credits and incentives. Long-term benefits include paying less for energy over the lifetime of a solar panel system.
- Moreover, not only will you be saving on the electricity bill, but if you generate more electricity than you use, the surplus will be exported back to the grid and you will receive bonus payments for that amount (considering that your solar panel system is connected to the grid). Savings can further grow if you sell excess electricity at high rates during the day and then buy electricity from the grid during the evening when the rates are lower.
- Most reliable solar panel manufacturers give 20-25 years warranty. As there are no moving parts, there is no wear and tear, which leads to lower maintenance costs. There are now financing options and even “pay-as-you-go” financing that can be applied to leasing solar panels and having installation and maintenance handled by a third party. Homeowners who choose to pay for a residential solar panel system in cash may recoup initial expenses in as little as five years.

### ➤ ***Increase Self-sufficiency***

- Homeowners can avoid issues from a blackout or interruption of service in the grid through the installation of solar panels. This may not be applicable for those who lease solar panels as they are hooked into the local utility company’s grid. However, others who have purchased their system can and do buy specialized batteries to store the energy generated for later use. This can benefit homeowners who want a consistent source of energy and not have to wait hours to days to have their connection restored to normal.
- There are many homeowners who appreciated lower energy costs and increase independence from utility companies. The current technology makes it possible for homeowners to not only generate and store their own energy but to help reduce the country’s reliance of foreign sources of energy.

- Solar energy can be used to produce electricity in areas without access to the energy grid, to distill water in regions with limited clean water supplies and to power satellites in space. Solar energy can also be integrated into the materials used for buildings. This clean energy source has many advantages for homeowners and those looking for an energy source that is aligned with their values.

### ➤ **More Choices**

- *There are now multiple solar panel companies available to address the demand for residential solar power.*
- *In addition, solar cooperatives have been formed for businesses and customers to get solar panels to those who want them at more affordable rates when purchasing in bulk.*
- *There are consultants available to help make the change to this green energy solution and discuss the potential ways to save on costs.*

*All these reasons provide more reason to look into solar power.*

## **About GreenBrilliance :-**

**GreenBrilliance** is established with the mission to provide solar energy solutions in the DC metro area. GreenBrilliance is a vertically integrated; end-to-end Solar Energy Services Company headquartered in the DC metro area delivering turnkey solar EPC solutions to homes, businesses & utility large scale projects at very competitive prices.

As a top-quality EPC provider, we have in-house engineering & design teams, our vertical integration across the value-chain enables us to achieve operational efficiencies leading to cost & time savings for our customers & ensures delivery of superior products at an unmatched value. At GreenBrilliance we realize & appreciate the significance of our role in educating & delivering PV systems to our customers. “An educated customer is the best customer.” We believe in excellent customer service both pre-&-post installation.

GreenBrilliance recently ranked 33<sup>rd</sup> in the top hundred installers in the world by the list published by the renowned ‘Solar World Online’ with a fantastic portfolio including the prestigious “Ronald Reagan International Airport” in Washington DC.

### **Core Capabilities & Services:**

- Solar Consultation
- PV Design & Engineering

- Program & Project Management
- Permits & Utility Interconnection
- Operations & Maintenance

**Our Expertise :**

- Design & engineering
- Grid-tied Distributed Solar Systems
- Off-Grid/Micro Grid Systems
- Commercial/Utility Scale Systems
- Solar Storage Systems