# Finding the Right Solar Modules Solutions for Your Home by HK Chaudhary

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The world is moving towards a greener future with every step. The industrial age of the mid 20th century and onwards has caused major imbalances in the earthâ€™s natural wellness. In the 21st century, mankind has to find solutions that can sustain progress and technological advancement as well as protect the delicate ecological balance. Without solutions like crystalline silicon PV modules, hopes of this greener future would be practically impossible.

PV modules manufacturers have only been producing in commercial quantities since late into the 1990s. Though the technology is rather old, the implications are yet slow compared to other technological developments. Albert Einstein received his Nobel Prize in 1921 for explaining the photoelectric effect in his papers â€˜Annus Mirabilisâ€™ in 1905. Bell industries made the first photoelectri cells in 1954, but they were only applicable practically in limited measures (like in toys, watches, and calculators). Only in the late 1990s that commercially viable polycrystalline solar modules were used for consumer products and sustainable domestic power supply units.

Today, you can do your bit to help in environmental protection by adopting certain solar power modules and energy solutions into your home. Initially, the costs for installing solar modules in your home may be a little on the higher range, but overall, the lifelong savings you will make on electricity bills will more than make up for it! The domestic uses for harnessing energy from the sun are very practical and quite effective. Though you would still require having conventional electric supplies as back up for rainy days and night usage (though most PV modules manufacturers make models with night back-up) â€“ you can still save up to 50% on your domestic energy costs. Here are few of the ways you can adopt basic methods of applying solar power modules into your daily life â€“

Home Electronics and Kitchen Gadgets

Home consumer electronics like your refrigerator, television, microwave, and air conditioning systems consume massive amounts of energy. They raise your electricity bill by quite a bit. By using proper products integrated to work with power supplies from polycrystalline solar modules, you can save money and the environment. More than 50% of your annual electricity requirements can be harnessed from the sun. It is after all, the primary source all energy from fossil fuels we use so injudiciously today.

General Home Power Supply

Crystalline silicon PV modules can provide you a continuous supply of electricity as long as the sun is out. However, the newest technologies have developed storage capabilities into such common solar power modules to make them even more reliable. The dayâ€™s long supply of energy is usually not used up in one day. The newest storage batteries store up this vast resource of excess energy and provide you a continual free supply even during the night.

Emergency Lamps and Street Lighting

By developing the technology of green energy solutions in a practical way, PV modules manufacturers have found rural and urban solutions. For people living in remote areas that face irregular electricity supply problems, solar modules are being used to provide emergency power supply during shortages. Everything from street lamps to lanterns for emergency requirements now has solar charging capacity integrated into them.

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HK Chaudhary (a PV modules manufacturer) is a regular writer on environmental issues and how we can each contribute to a greener and more natural planet.

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