



FOR YOUR HOME



Solar energy you can use today



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Our access
to solar energy
is virtually limitless
and inexhaustible.

Why solar energy?

The demand for electricity continuously increases, but the fossil fuels we use to generate it can never be replenished. Still, sustainable energy that we read about or see on TV still feel like stuff of science fiction.

Not anymore. Germany has a solar power installation of over 10,000 MW and aims to run on fully renewable energy by 2015. Spain, Japan, USA, and Italy are other countries that have a significant amount of solar photovoltaic (PV) cell-generated power in their energy mix.

The Philippines, being a tropical country, enjoys 12 hours of sunlight everyday. With the latest developments in solar power technologies, our access to solar energy is virtually limitless and inexhaustible.

Electricity generated from solar energy is clean and carbon-free. Using solar energy lessens our impact on the degradation of our natural resources today, and helps create a sustainable living environment for our children and the future generations.

Why now?

So much energy is needed to run a modern home: air conditioning, TV sets, home theatre systems, refrigerators, washing machines, and many more. Each member of the family has a laptop computer, a mobile phone, a tablet, and other personal devices with batteries that need charging. In the kitchen, a microwave oven operates every few hours and a two-door refrigerator runs 24x7. Every month, the electric bill is testament to the ever-increasing cost of energy consumption, and it further goes up in the summer, when the kids are home and the house is abuzz with activity.

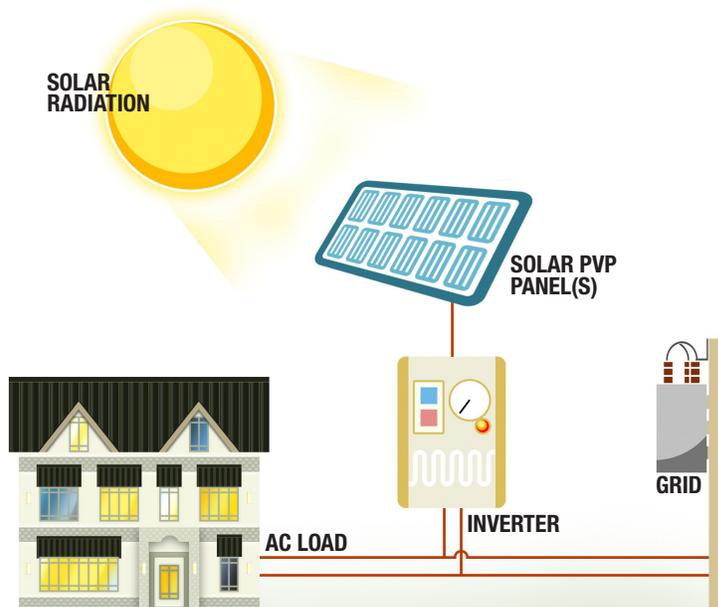
Homes will therefore benefit from a self-sustaining system that generates its own electricity from solar power, and many have already recognized the value of this trend. By using energy harvested from the sun, your home takes less from the grid and lowers its total energy consumption and cost. Moreover, you decrease your carbon footprint while still enjoying the comforts of a modern home. A system that pays for itself through energy savings therefore makes financial and environmental sense.



How does solar energy generation work?

Solar PV cells convert the sun's rays into electricity. Individual cells are packed into arrays and produce a stream of direct current (DC) electricity. An inverter is used to convert DC from the arrays into AC. Figure 1 shows an execution that blends solar energy with that from the grid. An off-grid system with batteries is also an option.

Figure 1. Grid-Tied



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How will I save money?

Power consumption from the grid is definitely lowered as the system combines it with energy coming from the sun. Savings equal the amount of solar energy consumed multiplied with the cost of electricity per unit, had it been taken from the grid.

The savings you acquire may be used for your home improvement projects or to expand your system for even more savings.



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SasonbiSolar is a full-service systems integrator. We provide everything you need to power your homes and businesses with clean solar energy, from custom design, acquisition of PV modules and inverters, to installation, testing and commissioning, and support. We manage the project from beginning to completion, so you only transact with a single point of contact and accountability for your energy saving efforts.

Our group is composed of professionals passionate about the propagation of solar energy use in the Philippines. We cover everything from design, engineering, and installation through our highly qualified and certified engineers and service personnel. Our customers are testament to the high value we put in customer service and integrity.

SasonbiSolar uses only the best-in-class, high-quality equipment to build solar PV generator systems. Our experiences in our projects and in our previous professions contribute to the continuously improving processes in planning and executing projects. Each of our solar PV system installations is of the highest quality and workmanship.

SasonbiSolar continues to be in the forefront of new technologies and innovations that we incorporate into our designs and installations. Our solutions are cost-effective and are designed to meet the best possible returns for a given investment with the best technology available.

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