



Manila residential solar

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To empower our clients by providing the RIGHT information and opportunities that would help them truly benefit from renewable energy, and effectively raise standards of solar rooftop in the country.

Photovoltaics or PV is composed of 2 words, the Greek word "phos" which means light and "volt", which is an electrical measurement unit. Hence, photovoltaic is light-electricity or energy converted from light.

Sunlight has photons which is either absorbed or bounces off the solar modules that are made out of semiconductors. Those absorbed by the PV cells are converted into energy, which then escapes the atom of the cell and becomes part of the direct current (DC) in a circuit. The current is then converted to alternating current (AC) via an electrical equipment called the inverter, which supplies the electricity.

Well designed systems can last more than 20 years. Philippine Solar Rooftops also has technology and tier 1 equipment partners to ensure long term life span of the system. In 2003, BP Solar published the results of their analysis of warranty claims and reported that of more than two million modules in service over nearly ten years, approximately one-tenth of one percent were reported faulty or .01%.

The common type is a grid-tie system which means that aside from the solar power, electricity is also supplied by the local utility company. The utility company serves as your back-up power supply in cases when the solar power system is not producing enough electricity. Another is an off-grid system which entails getting all your electricity requirement from the solar power system. This requires a battery and a bigger PV system which enables it to charge the battery at the same time. The last type is a hybrid system which means there are multiple sources of electricity.

Solar power system is clean energy and does not contribute to global warming. It is easy to maintain and a well-designed system can last for years which turns to be more cost efficient. A solar power system also helps prolong the life span of roofing structure and provides heat insulation.

Designing the system will depend on the load requirement and type of installation. Philippine Solar Rooftops has professional and well trained solar power system designers that assesses the requirement, review the possible locations and assesses the existing structure where the panels will be located. This will result in the most efficient and optimum design.

A solar power system is very easy to maintain. Philippine Solar Rooftops has an Operations and Maintenance team that monitors each system in real time. We check the output of each system and look at all factors affecting production such as temperature, wind, shading, irradiance, etc. Philippine Solar Rooftops also deploys a maintenance crew to each client on a regular basis to physically inspect and conduct test to the entire system. This includes cleaning or washing the actual panels.



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The cost is normally based on the size of the system which is on a per kilowatt. Philippine Solar Rooftops offers outright purchase of a system including design, supply and installation, and maintenance of the system.

For outright purchase, the customer immediately reduces its monthly utility bill since there is no recurring cost on the electricity provided by the solar power system. Client will only have to pay for the balance electricity supplied by the local utility company.

Net metering is a procedure that allows customers to get rebates/credits on the excess electricity of the solar power system that is supplied back to the grid of the local utility company. Net metering is part of the Renewable Energy (RE) Act of 2008. All local utility companies are mandated to provide net metering.

The Celebrity Sports Plaza's 100KW solar grid tied system, a partnership between Celebrity Sports Plaza, Inc. (CSPI) and First Philippine Solar Rooftops energized last November, was recently inaugurated.

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