

## Solar PV Systems - How Do They Work?

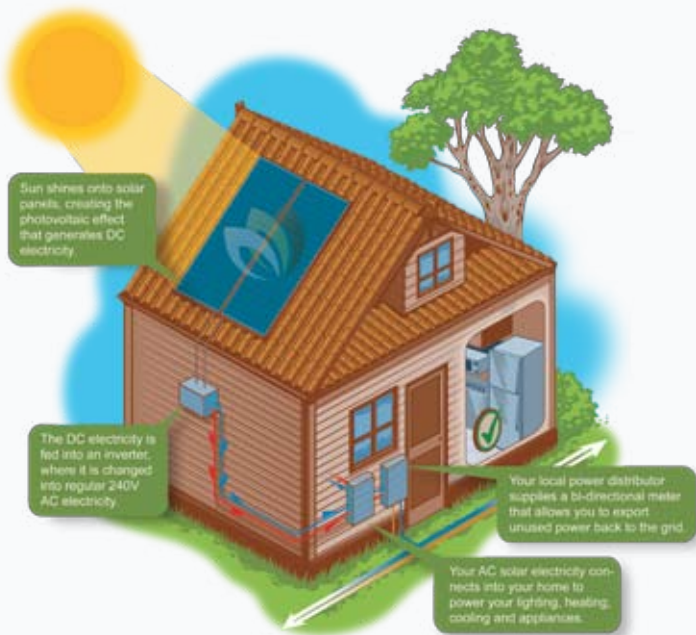
*Put simply, solar photovoltaic (PV) systems convert sunlight into electricity.*

### PV systems can:

- ✓ generate electricity for immediate domestic and commercial use;
- ✓ store excess electricity in batteries for later use (off-grid systems), or
- ✓ feed electricity into the grid to reduce your electricity bill and, in some cases, generate a cash payment for the excess electricity created (grid connect systems).

Electricity is metered in kilowatt hours (kWh). If you use 1kW for 1 hour you have consumed 1kWh of energy. Melbourne receives approximately 4kWh of sunlight per day. So a 1.5kW system will generate 6kWh hours of electricity. The larger the system, the more power it generates.

While the technology behind solar power may seem complex, when broken down, grid connect systems are easy to understand, as they are made up of just a few components.



We make solar simple.

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Solar solutions for  
your home...



empower yourself.

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## Why Go Solar?

- ✔ Save money and, in some cases, generate an income.
- ✔ Forget about rising energy costs.
- ✔ Own your own source of green, renewable energy.
- ✔ Dramatically reduce your carbon footprint.
- ✔ Add significant value to your home.
- ✔ Take advantage of the limited incentives now available.

*With generous rebates and premium feed-in tariffs now available, there has never been a better time to go solar!*

## Why Go Solar With Home Green?

### Experience You Can Trust

Home Green Pty Ltd is a trusted market leader in residential sustainability. We have helped over 5,000 Australian householders enjoy the financial and environmental benefits of reduced energy consumption and lower household running costs. Our expert consultants can provide you with all the advice and assistance you need, to ensure you select the right solar PV system for your home.

### We Make Solar Simple

We understand that solar can be a bit confusing. That is why we make a point of ensuring that you have a clear understanding of the in's and out's of solar power. You can be guaranteed an enjoyable, hassle-free transition to solar powered living with Home Green.

### A World Of Selection

At Home Green we carry a wide range of high quality systems and components from local and overseas manufacturers. With such a broad selection, we guarantee to find the perfect system for you.

### Qualified Installers

Our BCSE qualified installers are experienced in all aspects of PV installation. They are up-to-date with all relevant safety and technical standards and will have your system up and running as soon as possible.



*Slash your household running costs!*



*Generous subsidies and feed-in tariffs now available!*



*Reduce your carbon footprint!*



## What Are The Financial Benefits?

### Solar Credits

Under the Federal Solar Credits scheme, your PV system is entitled to a certain number of RECs (Renewable Energy Certificates) that are worth a cash value through the REC Market. Most owners choose to assign their RECs to a registered agent such as a retailer/installer via a REC Assignment Form in exchange for a financial benefit such as a delayed cash payment or upfront discount.

Currently, the Solar Credits scheme can slash the retail cost of your system by more than 50%!

*Your Home Green consultant will be able to provide you with more information about Solar Credits.*

### Feed-In Tariff

A feed-in tariff is a premium rate paid for electricity fed back into the electricity grid from your rooftop solar PV system.

The Victorian State Government has introduced a minimum 60c premium net feed-in tariff for solar power grid connect systems. When your home produces more solar electricity than is being consumed, the excess (net) is exported to the grid and you receive the feed-in tariff in the form of a reduced power bill or a cash payment from your energy retailer.

*Your Home Green consultant will be able to provide you with more information about feed-in tariffs.*

## Quality Systems

### Peace Of Mind

Home Green PV systems contain the highest quality components from Australia and overseas. All our systems comply with relevant Australian and International Standards.

### Quality Guarantee

All Home Green PV solar systems contain monocrystalline solar panels that are built to last. Our panels have a 25 year manufacturer's limited performance warranty.

Home Green systems are fixed to your roof using mounting structures that have been specially designed and tested for solar PV systems. All framing components have a 10 year limited manufacturer's warranty.

All inverters in a Home Green solar PV system have limited manufacturers' warranties as standard.

### Our Solar PV System Stockists:



### Contact Us Today:

Contact Home Green for more information on our systems, components and warranties.

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