

MICROGENERATION

Solar Photovoltaic (PV)

What is it?

Solar PV is a method of generating electricity from the power of the sun. These are solar panels which are usually installed on roofs.

How does it work?

Solar Photovoltaic Cells convert daylight into electricity, which you can use throughout your property instead of taking electricity from your energy supplier. The stronger the sunshine, the more electricity is produced.

Benefits

- > Reduce your heating bills
- > Protect yourself against rising energy costs
- > Reduce your CO₂ emissions

What are the potential savings?

According to the Energy Saving Trust, the potential annual savings, in a typical 3 bedroom semi-detached house could be up to:

> **£670**

What are the typical costs?

If you were to have this measure installed without Green Deal, this would typically cost you upfront:

> **£7,000 for a 3.5kW - 4 kW solar PV system**





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How can I benefit from Green Deal?

By taking advantage of the Green Deal, you may receive finance to have these energy-saving improvements installed in your home at no full upfront cost. The savings you make will always be greater than the cost of repayments on the measures installed.

Where and how are they installed?

Solar PV panels are usually fitted onto the roof of your home and in some circumstances can be fitted onto the walls instead. A solar inverter will also need to be installed in a loft or appropriate space which is used to convert the electrical current generated from AC to DC. This will then be connected to the home's existing electrical system.

Will it be suitable for my home?

Solar PV panels are most efficient on south facing roofs, where they receive the most direct sunlight, although east to west facing roofs are also suitable. Roofs which are north facing or shaded from buildings or trees are not recommended.

It is advised that a structural roof survey is undertaken to ensure the roof is suitable. Planning restrictions may apply for listed buildings and properties within conservation areas. Your NICEIC Green Deal Advisor will provide you with impartial advice on the measures most suitable for your home.

What do I need to do next?

Step 1

Get an energy assessment report completed on your home by an NICEIC Green Deal Advisor.

Step 2

Present your report to a Green Deal Provider who will assess whether to approve the finance on the measures you wish to install and coordinate your Green Deal plan.

Step 3

If approved, the Green Deal Provider can arrange for the installation to be carried out by an NICEIC Green Deal Installer.

Step 4

Once installed, your Green Deal payments will be included as instalments in your energy bill. This will be arranged for you by your Green Deal Provider and your energy supplier.

Click here to join
or call **0843 290 3518**

to find a certified **Green Deal** Advisor, Provider and Installer to start your Green Deal now.