

**Private Dwelling / Domestic Property
Shincliffe, Durham.**

Electricity form the Sun —Solar Photovoltaic



2.76kW Dimplex Solar Photovoltaic (PV) Electricity Generating System

In this particular installation the client contacted us after the Feed in Tariff came in, in April 2010. They had previously bought a Solar Thermal System from ourselves and were very happy with our installation and service.

They decided on a 2.76kW installation to cover a new roof on their garage which was angled specifically at 37 degrees so to maximise performance of the photovoltaic modules.

In this process we selected Dimplex, a supplier of high quality solar pv modules, installation kits and all electrical components including the inverter. Dimplex delivered on time and provided a high level of service.

The client not only liked the idea but also has an interest in green issues, saving carbon emissions and saving on fossil fuel bills.

We are finding that the most popular domestic installation is between 2 and 3 Kilowatts.

Solar Photovoltaic- How does it work?

The solar collectors on the roof harness the solar energy from the sun into an electrical current known as Direct Current (DC) which then goes through an inverter which converts DC to Alternating Current (AC) and then feeds into your distribution board.

With the recent Feed-In-Tariff Scheme (FITs) you qualify for i.e. on a retro fit 41.6 pence per kWh produced, and 3 to 4 pence for selling back to the grid known as exporting and also you can use the electricity if you're in. The FITs lasts for 25 years.

In a recent article in the press, the Guardian, they said that Solar PV is a top 5 investment!



Above: showing AC/DC isolators, energy meter and inverter housed inside the garage



The Benefits

- Provides free electricity
- Provides a Feed in Tariff/Export
- Adds value to your property
- Meets the Code for Sustainable Homes requirements
- Feed in Tariff is index linked

SOLAR · HEAT PUMPS · CONSULTANTS

Technology Court, Bradbury Road
Aycliffe Ind. Park, DL5 6DA

www.revolutionpower.co.uk

tel: 01325 320910 email: info@revolutionpower.co.uk