



Solar Photovoltaic

Turn sunlight into electricity with Solar PV

Solar electricity systems capture the sun's energy using photovoltaic (PV) cells. The cells convert the sunlight into electricity, which can be used to run household appliances and lighting.

Each cell is made from one or two layers of a semi-conducting material, usually silicon. When natural UV light shines on the cells it creates an electric field. The stronger the solar radiation, the more electricity is produced. Recently introduced government schemes provide financial incentives to promote the installation of solar PV allowing you to benefit from lower electricity bills as well as profit from a guaranteed regular income (tax free).

Once your system has been commissioned by our MCS approved installers you will be able to claim a fixed figure for every unit of electricity produced.

Our panels are very easy to maintain with no moving parts and a self cleansing glass. Solar PV installations can provide up to 50% (sometimes more) of your annual electrical requirement, depending on the size, orientation and pitch of the array. The strength of PV cells is measured in kilowatt peak (kWp) – that's the amount of energy the cells generate in natural daylight.

Key Features and Benefits

- **Feed in Tariffs:** receive a set payment for all the electricity you produce, even if you use it yourself. The scheme not only allows you to recover your initial installation costs, but allows you to profit from solar PV generation for many years to come.
- **Reduce your electricity bills:** By creating your own electric supply you're able to reduce the amount of electric purchased from your energy supplier.
- **Sell electricity back to the grid:** if your system is producing more electricity than you require, your system will automatically export the excess electricity back into the grid – this will entitle you to a 'bonus' payment of 3p per unit depending on the size of your system.

