



Ideal for...

Supplementary
electricity supply

Exclusive
electricity supply

Electricity storage

Solar Electricity Panels

Solar electricity panels convert the sun's radiation into electricity that can be used in your home or business premises

Solar Electricity Panels

Solar photovoltaic (PV) systems work in a similar way to the solar cells sometimes found on a calculator. The system uses the sun's free energy to create electricity. The sunnier the position, the more electricity can be generated. This often, but not always, means positioning the panels on a south facing roof.

Solar photovoltaic systems can be installed on both new and old properties. Our trained team will survey your property and advise you about the best position to take full advantage of your potential solar energy.

Most homes and business premises already have the luxury of a connection to the national grid. In these cases your installation will be designed so that surplus electricity is metered and sold to your electricity supplier. For instances where a grid connection is not available, a battery backup will supply electricity when the sun isn't shining.



Where appropriate, system performance can be monitored in real time via a wireless digital display. Data can also be downloaded to a PC and analysed via a USB interface.

Exported Electricity and ROCs?

Once the system is installed, the electricity generated will automatically be used in your property. Surplus electricity can be exported back onto the national grid. The rate paid varies from company to company and we recommend that you shop around. In addition to this you will be awarded Renewable Obligation Certificates (ROCs) for generating electricity from a renewable source. These certificates can be sold to electricity suppliers to generate further income. Ongoing improvements to the export tariffs mean that the payback for solar photovoltaic panels is rapidly reducing.



“The installation only took 2 days. I could immediately see how much electricity the panels were producing and how much electricity I was exporting to the grid. I wish I’d done it five years ago”

HOT TIPS

You get paid for your Renewable Obligation Certificates on everything you generate even if you use the electricity yourself.

PhotoVoltaic panels use the sun's energy to free up electrons. These electrons then flow between positive and negative which creates an electric current.

The power generated is supplied to your fuse box. The electricity is then automatically redistributed to wherever it is needed.



To find out more, call 01509 891256 or visit www.iesolutions.co.uk