



Registered Charity No. 1159816

[www.strettonclimatecare.org.uk](http://www.strettonclimatecare.org.uk)

Information sheet No. 36

### **Smart Energy Control Systems and Smart Export Tariffs (SEG.)**

Normally when someone has a photovoltaic (P.V.) or wind turbine system installed, the electricity generated from the panels first supply the energy requirements of the home and any surplus is then exported to the grid for other to use. Your energy company (or the energy company your export is credited to {it does not have to be the same company who supply your electricity}) will pay a small amount known as the Smart Export Guarantee. (N.B. Those already signed up to the old Feed-in Tariff scheme receive income via the FIT payment scheme and cannot be signed up to both.)

It is likely that at certain times you are exporting a considerable amount of energy back to the grid and the payment received is always less than the cost of importing electricity.

Energy Companies who operate the SEG schemes will also pay a small amount for all the electricity your system generates (all systems will have a generation meter installed.) If you have a smart electricity meter you will be able, once a quarter to tell the company you export to a) how much electricity the system has generated and b) how much you have exported. If you don't yet have a smart meter, the export is deemed to be half your generation.

A **Smart Energy Control System** allows you to divert that surplus energy to, for example, a smart car charger, home battery storage or immersion heater. Once each is satisfied the system moves to the next and eventually will export back to the grid. Using this surplus energy to power other equipment is very cost effective as the cost of imported electricity far exceeds that of any exported.

If you have a home battery storage device (or can use your electric vehicle battery to supply the house,) and they have the ability to import and export, they can also be used to benefit from the **Smart Export Tariffs**. These devices can be charged during low cost tariff times and any surplus exported back to the grid. Additionally, now there are Agile Export Tariffs allowing you to sell electricity back to the grid at the most valuable times rather than at a fixed rate and or time.

There are various P.V. control systems available and many installers are likely to be able to offer installation.

Local installers offering this service include

**EnergyZone** [www.energyzone.co.uk](http://www.energyzone.co.uk) email [sales@energyzone.co.uk](mailto:sales@energyzone.co.uk)

Tel: 01299 270011

Ditton Mill House Cleobury Mortimer, Kidderminster DY14 0DH

### ***GO Green Systems***

[www.gogreensystems.co.uk](http://www.gogreensystems.co.uk) email [info@gogreensystems.co.uk](mailto:info@gogreensystems.co.uk)

Tel: 01743 367221

The Hangar, Painsbrook Lane, Shropshire, SY4 4BB

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