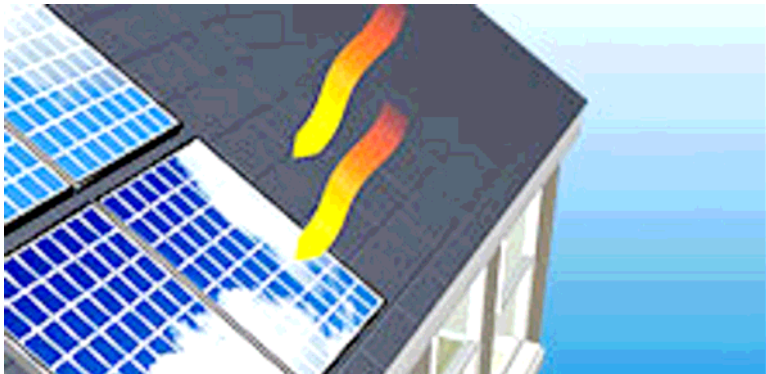
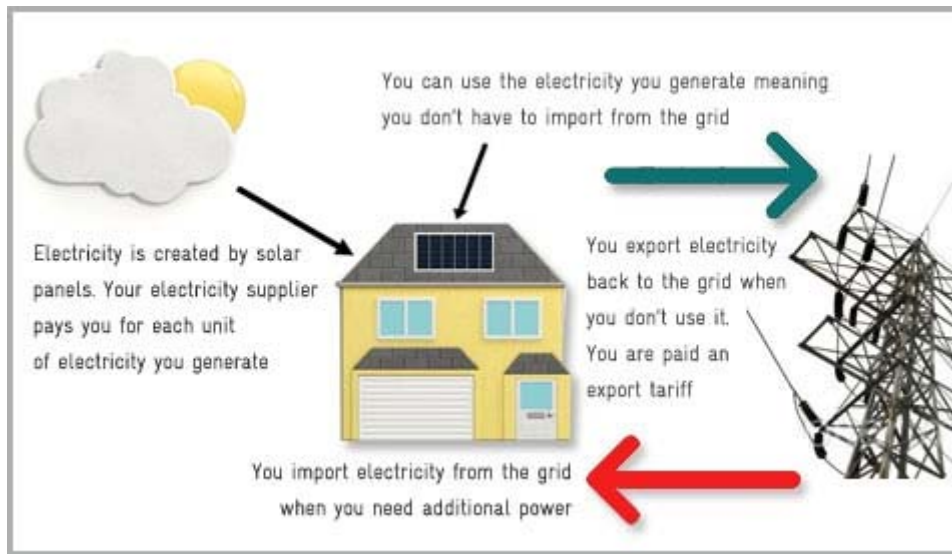


Solar Power in UK

£ Economics & Technology



NOT Thermal Hot Water from Sun's heat energy (infrared)-
different good energy saving system but no feed in tariff subsidy...



The technologies that qualify for the scheme (up to 5MW) include:

- Wind turbines
- Solar photovoltaic (PV) electric
- Hydroelectricity
- Anaerobic digestion
- Domestic non-renewable micro-chp (up to 2kW) (initially a pilot for up to 30,000 units)

Generate renewable energy and claim feed-in tariffs

1. From 1st April 2010, individuals, organizations and businesses in England, Wales and Scotland can claim cash back for electricity they produce from eligible renewable and low-carbon sources.
2. As an example, a typical domestic solar electricity system, with an installation size of 2.2 kWp could earn around:
 - £770 per year from the Generation Tariff
 - £30 per year from the Export Tariff
 - £120 per year reduction in current electricity bills.

This gives a total saving of around £920 per year.

- *This assumes 50% of the electricity generated is exported. The figure will vary depending on how much is exported.*

How it works

1. The scheme provides a fixed payment for the electricity you generate, called the “generation tariff”.
2. It also pays for any unused electricity that you export to the grid, the “export tariff”. A further benefit is that you won’t have to pay for the electricity that you generate and use yourself.

2 Payments:

1. For all you generate *whether you use it or not*
2. 2nd for all the power *you export to grid and don't use*
3. **Minus the costs of the power you import from the grid**

Electricity is created from renewable or low-carbon sources such as wind, solar or micro combined-heat and power.

»» If you generate electricity you don't need, you can export it to the grid. You'll be paid for exported electricity.



«« You import electricity from the grid when you need additional power.

«« Your electricity supplier will pay you for each unit of electricity you generate

Technology	Scale	Tariff level (p/kWh)	Tariff lifetime (years)
Solar electricity (PV)	≤4 kW (retro fit)	41.3	25
Solar electricity (PV)	≤4 kW (new build)	36.1	25
Wind	≤1.5 kW	34.5	20
Wind	>1.5 - 15 kW	26.7	20
Micro CHP	≤2kW	10.0	10
Hydroelectricity	≤15 kW	19.9	20

Tariff levels vary depending on the scale of the installation.

What you can earn

Tariff levels (the amount you are paid) vary depending on the scale and type of generator installed.

A typical 2.5kW, well-sited solar pv installation could save you around £140 per year on your electricity bill and you could earn around £900 a year through the cash back scheme.

FAQ

1. Do I need to use a certified installer and product to benefit from the tariff?

Yes. Systems of up to 50kW must be approved by the Microgeneration Certification Scheme (MSC) in order to qualify for Feed-In Tariffs. For installations that are between 50kW and 5MW, generators will need to apply through Ofgem.

2. How do I get on to the scheme?

Once you have installed your eligible generating technology you should inform your chosen energy supplier. The supplier will then register your installation onto the Central FIT register and then pay your tariff.

3. Do I have to undertake energy efficiency measures?

It is highly recommended in order to achieve lower bills and energy use.

4. Do larger projects – such as community projects – qualify for the scheme or is it just limited to individual properties?

Installations of up to 5 megawatts could qualify for the scheme.

5. Where can I find more information about the technologies that I can install?

For impartial information about the different technologies that you can use, visit the Energy Saving Trust.

6. I rent my property. If my landlord installs an electricity generating technology, who would receive the cash-back?

It will be up to the landlords and tenants of domestic or commercial property to come to an arrangement about who benefits from the scheme.



You will qualify for the full FIT payments if:

- 1. The technology was installed between 15th July 2009 and 31st March 2010 and you transferred to FITs before 1st April; OR**
- 2. It is installed after 1st April 2010 using an MCS* certificated product and installer;**

* The Microgeneration Certification Scheme (MCS) is an independent scheme that certifies microgeneration products under 50kW and installers in accordance with consistent standards. Any commercial or larger scale systems, over 50kW, and all anaerobic digestion installations must apply directly through the Renewables Obligation Order feed-in tariff process for larger installations (ROO-FIT) process as they are not covered by the MCS.

How to take part

You will require an additional electricity meter to measure the electricity that your system is generating, and also to measure how much is being fed back into the electricity grid.

1. Once your chosen installer has installed your generating technology, they will register you on the central FIT database and you will then receive a certificate confirming FIT compliance.
2. You must then inform your chosen energy supplier that you are eligible to receive the FIT by providing the certificate.
3. The supplier will then cross reference your installation with the central FIT database.
4. Payments will then be made by your energy supplier at intervals to be decided between you and your supplier.
5. You may be required to provide meter readings to the suppliers if requested

Read our simple step by step guide to installing an electricity generating, low carbon technology and receiving the Clean Energy Cashback.

Firstly, check that you have undertaken all the basic energy efficiency measures.

[Click here to complete a Home Energy Check](#)

Decide which technology is suitable for your home.

[Click here to use the Home Energy Generation Selector tool](#)

Install the technology using MCS certified products and installers.

[Click here to visit the MCS website](#)

Once installed, you need to notify your energy supplier and present them with a FIT eligibility certificate which your installer will have provided.

They will check to confirm that you are eligible for the tariff.

Once installed, you need to notify your energy supplier.