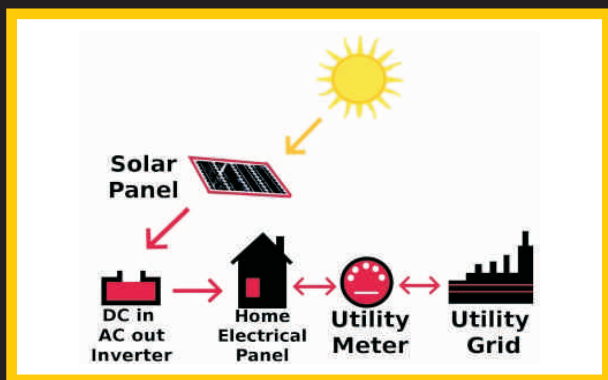


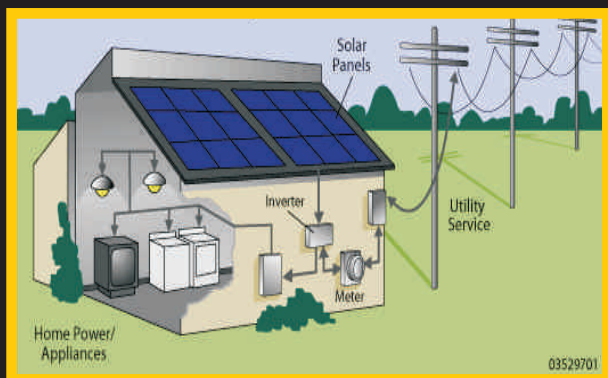
PDMD

Renewable Energy Solutions

HOW A SOLAR PV SYSTEM WORKS AND MAKES YOU MONEY EVERYDAY



A Solar PV System harnesses the sun's immense natural power to convert sunlight into DC electricity using silicone cells. The DC electricity travels through cables to an inverter via a DC isolator usually installed in a loft space. This is then converted into AC electricity and travels through an AC isolator to your new feed in tariff meter, usually installed next to your existing fuse box. The cable leaving the meter is connected to the existing fuse box, where all unused electricity is then fed back into the grid.



You will receive a feed in tariff for the energy you generate, whether the power is used or exported back into the grid.

Solar (Photovoltaic) PV systems have no moving parts, create no noise and require very little maintenance. Unlike other equipment the panel surface self cleans!

You will be making an investment into a highly reliable system which has a lifespan of at least 25 to 30 years.

We will provide a 25 year guarantee on the installation.

By generating your own solar energy your dependence on your commercial electricity suppliers will be significantly reduced.

You will reduce your carbon footprint on the planet by up to 482kg for every kilowatt of solar PV installed.



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Size of PV System Installed	Tariff for new installations Years 1-3. Pence per Kilo Watt hour generated		
	01.04.10 - 31.03.11	01.04.11 - 31.03.12	01.04.12 - 31.03.13
≤4kW Retrofit	41.3p	41.3p	37.8p
≤4kW New Build	36.1p	36.1p	33p
>4kW - 10kW	36.1p	36.1p	33p
>10kW - 100kW	31.4p	31.4p	28.7p
>100kW - 5mW	29.3p	29.3p	26.8p
Stand-alone	29.3p	29.3p	26.8p

The UK government is committed to decreasing our dependence on fossil and nuclear fuels and have legislated a feed in tariff, "FIT" sometimes called "Energy Cashbacks" effective from April 2010. This FIT obliges energy companies to pay a premium price to you, the energy generator, for all the energy produced by your solar system, whether it is consumed at your property or exported back to the grid.

- A typical 2.1 Kw retrofit system would return an income of approximately £737.00 for the generation in feed in tariff alone per annum. (Government SAP 2005)
- The starting rate will last for 25 years, long after the system has paid for itself.
- The rates are set to rise with inflation annually.
- Feed in tariff is tax free.
- An additional tariff of 3p per kilowatt will be paid for energy exported to the grid.
- PV installations benefit from a reduced VAT rate of 5%.
- Businesses can receive an interest free loan to install the system.

Not only will you experience a reduction in your energy bills but solar PV will also minimize the impacts of rising energy costs over the coming years.

www.pdmdelectrical.co.uk