



# Chose a Solar PV Energy system and get a 7.9% bonus!

**Selecting the right installer can be a confusing business but Solar PV Energy really can provide premium quality solar equipment, expertly and neatly fitted to your property and with the minimum of fuss or mess.**

But how can you know whether our systems (or any installers systems for that matter), will generate the energy savings and cash returns that are estimated in the quotation?

Well, following an extensive survey conducted to take generation readings from many of our customers solar systems, I can now confirm that from the 1st of January 2012 to the 21st of September 2012, the systems surveyed had on average achieved a 7.9% higher output than our original quote had predicted. This survey covered a broad spectrum of property types from domestic households to commercial buildings to schools and even the odd church!

**This result is pretty impressive given the lower level of sunlight the UK has suffered in 2012, but given a year with more 'normal' weather patterns, returns could be even greater than this.**

**What does this mean in real terms?** Take a 3.9Kw solar roof top system, located in Gloucestershire, fitted to an unshaded south facing roof with a 30 degree angle. Our prediction using the Government approved SAP system for measuring solar yield, would be 3613Kw. This would result in an annual revenue from the Feed in Tariff of £557.85\*. It would generate energy savings of £287.23\*\* and the energy unused and exported to the grid would generate a revenue of £81.29\*\*, giving an overall earnings / savings of £926.37. Using the actual results noted above, with a 7.9% increase in production, the revenue and savings achieved would be £999.55. This reduces payback time by 1 year to only 6 years and increases the return on investment to 15.38%.

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## So why has there been such a dramatic increase in performance?

We have been designing and manufacturing solar panels and products for over 15 years. Our level of understanding and expertise in this field is unsurpassed. We know how to optimise all solar systems so the solar panel, inverter and all the electrical hardware perform to their absolute maximum efficiency. We can reduce systems losses to the absolute minimum resulting in this incredible bonus.

True, it does mean we cannot use the cheapest components on the market because as well as long term reliability issues they generally don't have good compatibility with our premium solar panels. However, we believe a small increase in a price is worth paying when you consider that on the example given above this system will be earning / saving an extra £73.18 per year or a whopping £2225\*\*\* over the 20 year life cycle of the system.

Of course, we cannot guarantee any system will perform as noted above – indeed some properties on our survey performed significantly better and some worse and these fluctuations can be caused by climatic variances, but on the balance of probability we would very much expect the result will be roughly uniform for every system installed.

I hope this information is of interest and if you would like to receive further information and a breakdown of the actual data from our survey please do let me know.

Yours faithfully

Adrian Williams, Managing Director