

SOLAR ENERGY CALCULATOR RESULTS

06 March 2016

COST, PAYMENT AND SAVINGS

	Eligibility date falling within the period of
	15 January 2016 to 31 March 2016
1. Payment from generation tariff (in first year)	£150
2. Savings on electricity bill (in first year)	£120
3. Payment from export tariff (in first year)	£83
Total annual benefit (1 + 2 + 3)	£353
Lifetime benefit	£7,000
Estimated installation costs (unless you provided a quote)	£6,700
Total profit (after 25 years)	£300

Eligibility date is the date is the date decided by Ofgem from when FITs payments can be made to you and is only confirmed at that point. The eligibility date and tariff used by the calculator may be different to the eligibility date and tariff you finally secure. Refer to our [FITs page](#) for more detail. These results allow for 20 years of FIT payment, 25 years of fuel bill savings and a degradation factor. The results do not include:

- Fuel price increases over time
- Inflation (though FITs are index linked)
- Net present value or discounting

For more details about the assumptions used, please visit the [Solar Energy Calculator](#) results page.

THE SYSTEM

System capacity (kWp)	4.0
Annual household electricity use (kWh)	4698
Annual electricity generation (kWh/yr)	3415
Average energy demand (kWh/day)	12.9
Average energy production (kWh/day)	9.4

CARBON SAVINGS

By generating renewable energy your panels will reduce carbon emissions by 37.65 tonnes CO₂ over 25 years.

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NEXT STEPS

The figures in this report are to be used solely as a general guide. You should arrange for a qualified installer to undertake a detailed assessment of your home before proceeding with the installation of a solar system. We recommend only using installers and products certified through the [Microgeneration Certification Scheme \(MCS\)](http://www.microgenerationcertification.org/), www.microgenerationcertification.org/. We would also recommend you get three quotes to compare costs and services.

You can search for an MCS certified installer in your area by using the [Renewables Installer Finder](http://www.energysavingtrust.org.uk/scotland/installers), www.energysavingtrust.org.uk/scotland/installers.

Alternatively you can find a more comprehensive list on the [MCS website](http://www.microgenerationcertification.org/).

For free, independent and local energy-saving advice, including further information on installing solar panels on your home, and information on local installers and advice on financial support available, call Home Energy Scotland on **0808 808 2282**.

There's much more information on the Energy Saving Trust web page about [Solar Electricity](http://www.energysavingtrust.org.uk/domestic/content/solar-panels), www.energysavingtrust.org.uk/domestic/content/solar-panels.

YOUR DETAILS

Location	HR1 3RE
Direction roof faces (degrees)	180°
Roof slope (degrees)	35°
Shadow/shading factor	Very little
Feed-in 'generation' tariff	4.39 p/kWh (if eligible between 15 January 2016 - 31 March 2016)
Feed-in 'export' tariff	4.85 p/kWh (if eligible between 15 January 2016 - 31 March 2016)
EPC band (Energy Performance Certificate)	Band D or better
Electricity bill (per month)	£55.00

DISCLAIMER

This calculator is intended to provide an estimate of you could potentially save on your electricity bill and what you could potentially get paid through the FITs scheme. Actual savings and payments will vary, depending on system efficiencies, location, eligibility date of your FITs installation and other factors. The figures in the calculator are subject to change. The results are dependent on the information provided by the user of the calculator.