

A typical 3.6 kW system
 which could be installed
 at your address.
 Start getting free electricity now.
 We offer an excellent Return on Investment (ROI).



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Solar PV Cost / Benefit Analysis

Below is a calculation of the energy that your panels would produce and the economic value of that. It is based upon the orientation and pitch of your roof and the location of your property.

Your Property		FIT & Export rate inflation (RPI)		5.0% per annum
Roof Orientation	South	Energy Price Inflation		10.0% per annum
Roof Pitch	30°	Drop in system performance		0.5% per annum
System Size	3.6 kWp	Imported electricity cost		13.0 pence / kWh
Overshadowing	Light or none <20%	Percentage of self consumption		50%
Retrofit or Newbuild	Retrofit	FIT rate		21 Pence/kWh
Your System		Productivity		3,863 kWh / Year *
Number of Panels	15	Electricity export rate		3.1 pence / kWh
Size of Panels	240 Watts	Percentage of export		50%

	Production kWh	FIT Rate pence / kWh	FIT revenue £	Cost of Electricity pence / kWh	Electricity Saving £	Export Rate pence / kWh	Export revenue £	Annual benefit £	Cumulative Benefit £	
Year 1	3863	21.0	£811.19	13.0	£251.08	3.1	£59.87	£1,122.14	£1,122.14	
Year 2	3843	22.1	£847.49	14.3	£263.64	3.4	£62.87	£1,173.99	£2,296.14	
Year 3	3824	23.2	£885.41	15.7	£276.82	3.6	£66.01	£1,228.24	£3,524.38	
Year 4	3805	24.3	£925.04	17.3	£290.66	3.8	£69.31	£1,285.01	£4,809.38	
Year 5	3786	25.5	£966.43	19.0	£305.19	3.9	£72.78	£1,344.40	£6,153.78	
Year 6	3767	26.8	£1,009.68	20.9	£320.45	4.1	£76.42	£1,406.55	£7,560.33	
Year 7	3748	28.1	£1,054.86	23.0	£336.47	4.4	£80.24	£1,471.57	£9,031.90	
Year 8	3730	29.5	£1,102.07	25.3	£353.30	4.6	£84.25	£1,539.61	£10,571.51	
Year 9	3711	31.0	£1,151.38	27.9	£370.96	4.8	£88.46	£1,610.81	£12,182.32	
Year 10	3692	32.6	£1,202.91	30.7	£389.51	5.0	£92.88	£1,685.30	£13,867.62	
Year 11	3674	34.2	£1,256.74	33.7	£408.99	5.3	£97.53	£1,763.25	£15,630.88	
Year 12	3656	35.9	£1,312.98	37.1	£429.44	5.6	£102.40	£1,844.82	£17,475.70	
Year 13	3637	37.7	£1,371.73	40.8	£450.91	5.8	£107.52	£1,930.17	£19,405.86	
Year 14	3619	39.6	£1,433.12	44.9	£473.45	6.1	£112.90	£2,019.47	£21,425.33	
Year 15	3601	41.6	£1,497.25	49.4	£497.13	6.4	£118.55	£2,112.92	£23,538.26	
Year 16	3583	43.7	£1,564.25	54.3	£521.98	6.8	£124.47	£2,210.71	£25,748.96	
Year 17	3565	45.8	£1,634.25	59.7	£548.08	7.1	£130.70	£2,313.03	£28,062.00	
Year 18	3547	48.1	£1,707.39	65.7	£575.48	7.4	£137.23	£2,420.10	£30,482.10	
Year 19	3530	50.5	£1,783.79	72.3	£604.26	7.8	£144.09	£2,532.14	£33,014.24	
Year 20	3512	53.1	£1,863.62	79.5	£634.47	8.2	£151.30	£2,649.39	£35,663.63	
Year 21	3494	55.7	£1,947.01	87.5	£666.20	8.6	£158.86	£2,772.07	£38,435.70	
Year 22	3477	58.5	£2,034.14	96.2	£699.51	9.0	£166.81	£2,900.45	£41,336.15	
Year 23	3459	61.4	£2,125.17	105.8	£734.48	9.5	£175.15	£3,034.80	£44,370.95	
Year 24	3442	64.5	£2,220.27	116.4	£771.20	10.0	£183.90	£3,175.38	£47,546.33	
Year 25	3425	67.7	£2,319.63	128.0	£809.76	10.5	£193.10	£3,322.49	£50,868.82	
The first year shown in black is the year when the system reaches break-even								TOTAL Benefit over 25 years		£50,868.82
Return on investment writing off system after 25years				400%	equivalent to		16.0% pa	Cost of installation including VAT @ 5.00%		£10,170.01

* The performance of solar PV systems is impossible to predict with certainty due to the variability in the amount of solar radiation (sunlight) from location to location and from year to year. This estimate is based upon the Government's standard assessment procedure for energy rating of buildings (SAP) and is given as guidance only. It should not be considered as a guarantee of performance.