

HOW MUCH MONEY COULD I SAVE WITH A 2kW PLUG-IN SOLAR KIT?

Plug-In Solar 2kW (2000W) Kit Details

Total Savings (Over 20 Year Period): **£15,724.24**

Average Saving per Year (Over 20 Year Period): **£786.21**

Solar Energy Generated Per Year: 1,972kWh

Solar Energy Generated Over 20 Years: 39,440kWh

6 Year
Payback (ROI)
Period



YEAR	ENERGY SAVINGS PROVIDED BY PLUG-IN SOLAR KIT (£)	CUMULATIVE SAVINGS (£)
1	£283.45	£283.45
2	£311.77	£595.22
3	£342.87	£938.09
4	£376.97	£1,315.06
5	£414.33	£1,729.39
6	£455.25	£2,184.64
7	£500.03	£2,684.67
8	£549.00	£3,233.67
9	£602.50	£3,836.17
10	£660.92	£4,497.09
11	£724.66	£5,221.75
12	£794.15	£6,015.90
13	£869.84	£6,885.74
14	£952.23	£7,837.97
15	£1,041.82	£8,879.79
16	£1,139.16	£10,018.95
17	£1,244.81	£11,263.76
18	£1,359.36	£12,623.12
19	£1,483.44	£14,106.56
20	£1,617.68	£15,724.24

Average Saving per Year (Over 20 Year Period)	£786.21
Total Savings (Over 20 Year Period)	£15,724.24

Disclaimer and Assumptions

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 & 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. Illustrative solar PV performance figures only. Figures are given in good faith but do not constitute "Financial Advice". Yearly PV output uses a factored degradation over time based on industry estimates. Photovoltaic Panels will not be shaded (e.g. by Trees or Buildings) as shading affects PV output. Specific appliance ratings and equipment age will affect energy consumption and these examples are guidelines only. Appliance consumption information from Center for Sustainable Energy (www.cse.org.uk). Based on A-Rated (or higher) appliances. These figures assume that you have south facing 250W polycrystalline solar panels, tilted at an angle of 35°, you pay 14.37p per unit of electricity (Standard rate as of May 2017 source: Energy Saving Trust) and 100% of the solar electricity that you generate will be used in your home. Calculations assume an annual energy price inflation of 10% & include solar radiation & system losses, in a western UK location, due to Temperature 6.8% and Angular Reflectance 2.9%, as well as other losses (e.g. Cables, Inverter) of 12%. Figures obtained from www.solarguide.co.uk/solar-pv-calculator.