

Solar PV Creates electricity from Sunlight. Typical Installation is complete in under a week and costs in the region of £5985 & 5% VAT and scaffolding. One of the best known renewables , but applications can be decorative , a real alternative to re-roofing a property as well as improving your EPC, which for letting properties will become important probably by 2016.

Description

16 x 250 Suntellite Photovoltaic Panels
 PV panel anchors 2 per pack
 Mounting rails x 6150mm
 PV Module Clips
 PV end Retaining Clips
 PV Intermediate retaining Clips
 DC Isolator switch
 MC Connector Cables x 10m
 Power One Grid Tie Inverter
 Lanis Gyr 5235 Single Phase Single Phase Total Gen Meter
 Additional cabling
 Delivery

Cost

Materials: £3770.41
Delivery: £85
Installation: £1250
Total EX Vat: £5105.41
VAT @ 5%: £255.27
Total: £5360.68

Estimated Performance Payback

A. Installation data	
Installed capacity of PV system - kWp(stc)	4kWp
Orientation of the PV system - degrees from South	0°
Inclination of system - degrees from horizontal	10°
Postcode region	zone 15
B. Calculations	
kWh/kWp (Kk) from table	831 kWh/kWp
Shade factor (SF)	0.97
Estimated annual output (kWp x Kk x SF)	3224kWh

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 standard MCS procedure and is given as guidance only. It should not be considered as a guarantee of performance.

Solar PV Case Study

4kw Suntellite Panels
Conservation area of Edinburgh
June 2014



3224Kw @ 14.90p = £480.38
50% assumed sale to grid 1612 Kw @ 4.64p = £74.80
50% assumed saving 1612 @ 12.3p = £198.28
Total income and saving = £753.46 /year
Therefore payback period - 7 years 1 month

Figures correct June 2014