PV SYSTEM RESULTS

INSTALLATION DATA

INSTALLED CAPACITY: 1.8 kWp

ORIENTATION (DEGREES FROM SOUTH): 0°

INCLINATION (DEGREES FROM HORIZONTAL): 30°

POSTCODE REGION: Severn (East)

MCS IRRADIANCE REGION: Zone 5E - Bristol

SYSTEM DATA

IRRADIANCE: 964 kWh/kWp

SHADING FACTOR: 0.76

ESTIMATED ANNUAL ELECTRICITY OUTPUT: 1319 kWh/year

ROOF AREA REQUIRED: 15 m^2

FINANCIAL BENEFITS

INSTALLATION COST: £12345

ANNUAL COST SAVING: £252 *

* Annual cost saving = A + B + C - D	
40% of energy used onsite (528 kWh/year @ 12.27 p/kWh)	£65 (A)
50% deemed energy export (660 kWh/year @ 4.64 p/kWh)	£31 (B)
Feed-In Tariff (1319 kWh/year @ 14.9 p/kWh)	£197 (C)
Annual maintenance cost	£41 (D)

PAYBACK PERIOD: 49 years

ENVIRONMENTAL BENEFITS

CO_2 SAVED FROM PV SYSTEM: 698 Kg/year

PV PANEL DETAILS

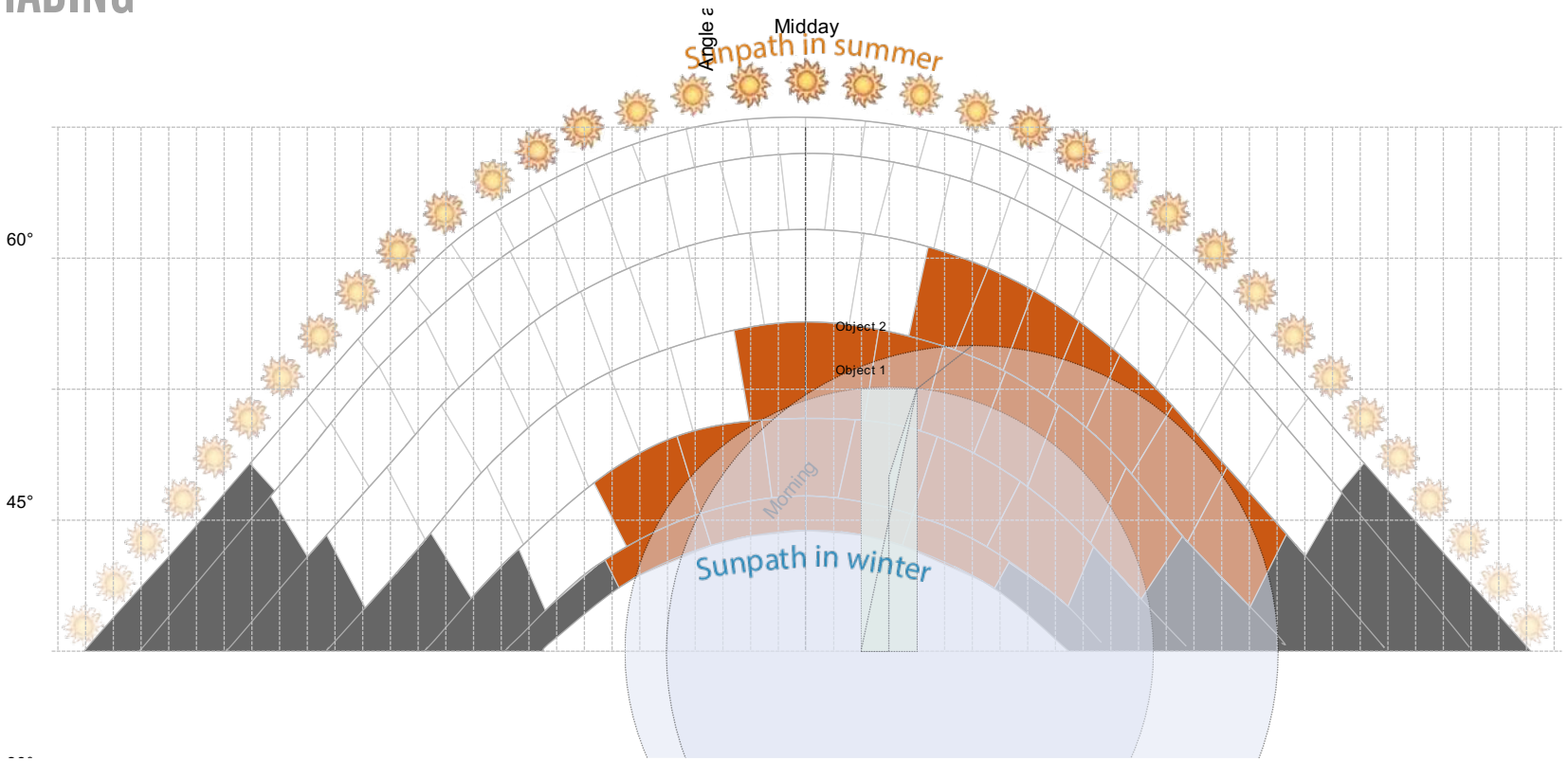
Panel manufacturer	Aleo
Panel model	S_77. 180T
Panel type	Monocrystalline
Panel power	180W
Panel area	1.46 m^2
Number of panels	10

CALCULATOR INPUTS

Postcode	BS56AX
Shading apparent	Yes
Building use	Domestic
Build type	Retrofit
Energy efficiency	EPC valid and at least Band D or higher
Multi-installation	Not a multi-installation
Onsite usage	40%
Export meter	No
Estimated values	No

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 is given as guidance only. It should not be considered as a guarantee of performance.

SHADING



NUMBER OF SHADED SEGMENTS: 24

SHADING FACTOR: 0.76

This shade assessment has been undertaken using the standard MCS procedure - it is estimated that this method will yield results within 10% of the actual annual energy yield for most systems.