

PV SYSTEM RESULTS

INSTALLATION DATA

INSTALLED CAPACITY:	9.99 kWp
ORIENTATION (DEGREES FROM SOUTH):	20°
INCLINATION (DEGREES FROM HORIZONTAL):	10°
POSTCODE REGION:	Thames
MCS IRRADIANCE REGION:	Zone 1 - London

SYSTEM DATA

IRRADIANCE:	892 kWh/kWp
SHADING FACTOR:	1 (No shade)
ESTIMATED ANNUAL ELECTRICITY OUTPUT:	8911 kWh/year

(Installed Capacity X Irradiance X Shading Factor)

PANEL AREA REQUIRED:	72 m²
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FINANCIAL BENEFITS

INSTALLATION COST:	£11550
ANNUAL COST SAVING:	£1076 *

* Annual cost saving = A + B + C

40% of energy used onsite (3564 kWh/year @ 14.00 p/kWh)	£499 (A)
50% deemed energy export (4456 kWh/year @ 5.24 p/kWh)	£233 (B)
Feed-In Tariff (8911 kWh/year @ 3.86 p/kWh)	£344 (C)

PAYBACK PERIOD:	10.7 years
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ENVIRONMENTAL BENEFITS

CO ₂ SAVED FROM PV SYSTEM:	2503 Kg/year
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PV PANEL DETAILS

Panel manufacturer	Amerisolar
Panel model	AS-6P 270
Panel type	Polycrystalline
Panel power	270W
Panel area	1.94 m ²
Number of panels	37

CALCULATOR INPUTS

Postcode	NW3 2AA
Shading apparent	No
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

