



Easy PV

Solar design made simple

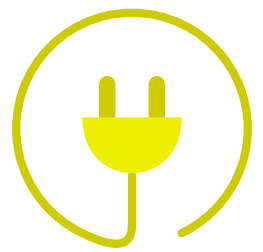
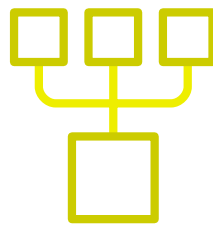
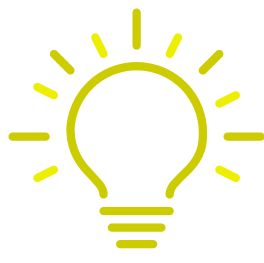
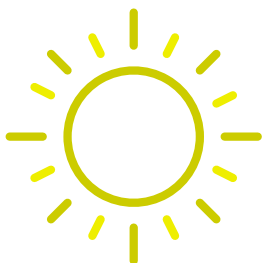
Barbara Christie Miller

Project Name: Barbara Christie Miller

Address: The Carriage House, 26 The Street, Burgh,
NR11 6TP

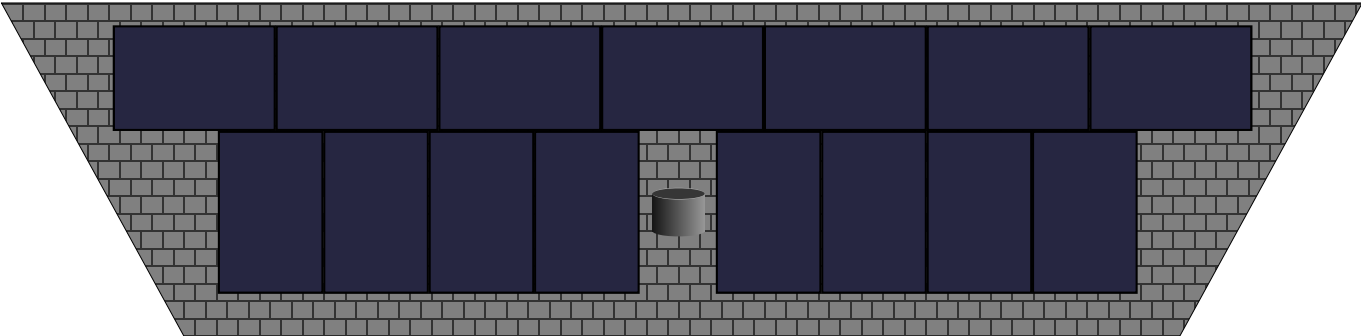
Date Created: 19th October 2023

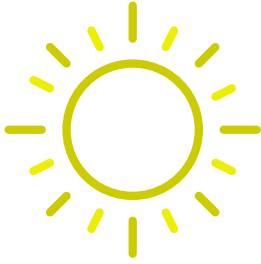
Designer: Jack Harrell



Roof Layout

NR11 6TP - SouthRoof





Performance Estimate

Site details

Client

Barbara Christie Miller

Address

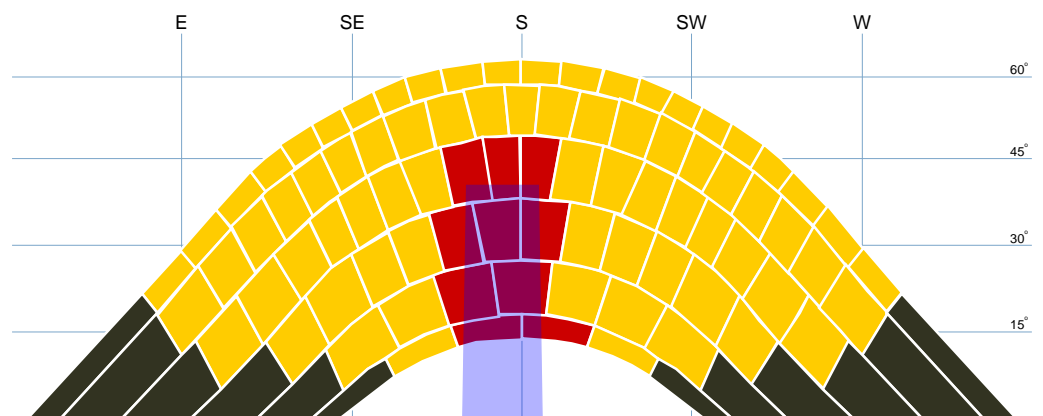
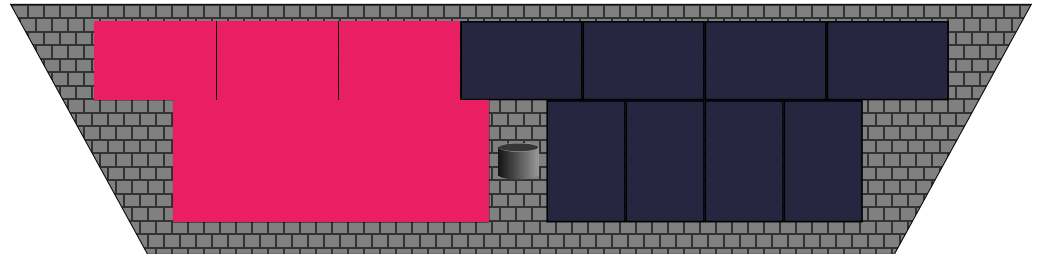
The Carriage House, 26 The Street, Burgh

The sunpath diagram shows the arcs of the sky that the sun passes through at different times of the day and year as yellow blocks. The shaded area indicates the horizon as seen from the location of the solar array. Where objects on the horizon are within 10m of the array, an added semi-circle is drawn to represent the increased shading. Blocks of the sky that are shaded by objects on the horizon are coloured red, and a shading factor is calculated from the number of red blocks. The performance of the solar array is calculated by multiplying the size of the array (kWp) by the shading factor (sf) and a site correction factor (kk), taken from tables which take account of the geographical location, orientation and inclination of the array.

Inverter 1

Hybrid Inverter

Input 1



A. Installation data

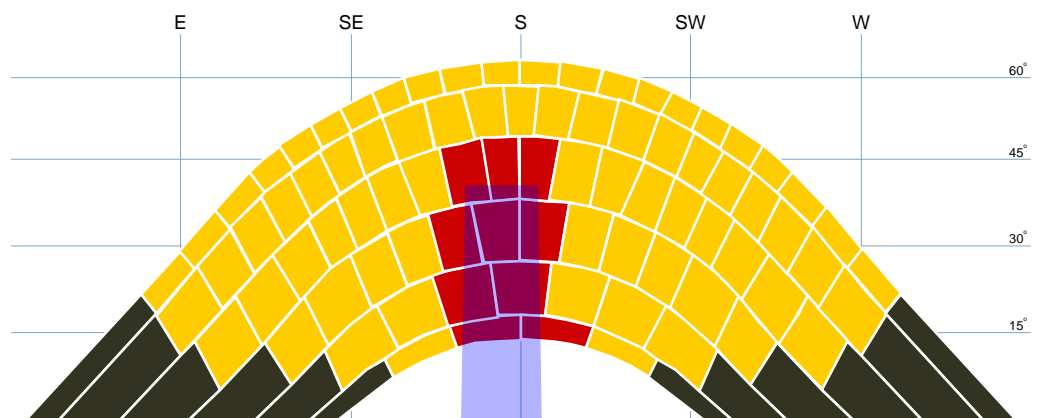
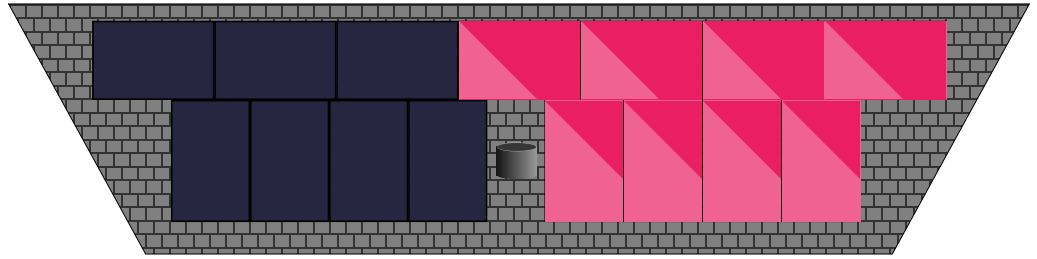
Installed capacity of PV system - kWp (stc)	2.905	kWp
Orientation of the PV system - degrees from South	5	°
Inclination of system - degrees from horizontal	30	°
Postcode region	12	



B. Performance calculations

kWh/kWp (Kk)	952	kWh/kWp
Shade factor (SF)	0.90	
Estimated output (kWp x Kk x SF)	2489	kWh

Input 2



A. Installation data

Installed capacity of PV system - kWp (stc)	3.320	kWp
Orientation of the PV system - degrees from South	5	°
Inclination of system - degrees from horizontal	30	°
Postcode region	12	



B. Performance calculations

kWh/kWp (Kk)	952	kWh/kWp
Shade factor (SF)	0.90	
Estimated output (kWp x Kk x SF)	2845	kWh

Performance Summary

A. Installation data		
Installed capacity of PV system - kWp (stc)	6.225	kWp
Orientation of the PV system - degrees from South	See individual inputs	
Inclination of system - degrees from horizontal	See individual inputs	
Postcode region	12	
B. Performance calculations		
kWh/kWp (Kk)	See individual inputs	
Shade factor (SF)	See individual inputs	
Estimated output (kWp x Kk x SF)	5334	kWh

Important Note: 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 for the first year of generation. It should not be considered as a guarantee of performance.

Shading will be present on your system that will reduce its output to the factor stated. This factor was calculated using the MCS shading methodology and we believe that this will yield results within 10% of the actual energy estimate stated for most systems.