



Bespoke PV Solar Quote

Customer Details

Name: Andrew Johnson

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Address: Hillside Glannant Place, Neath, SA11 5TE

Quote Details

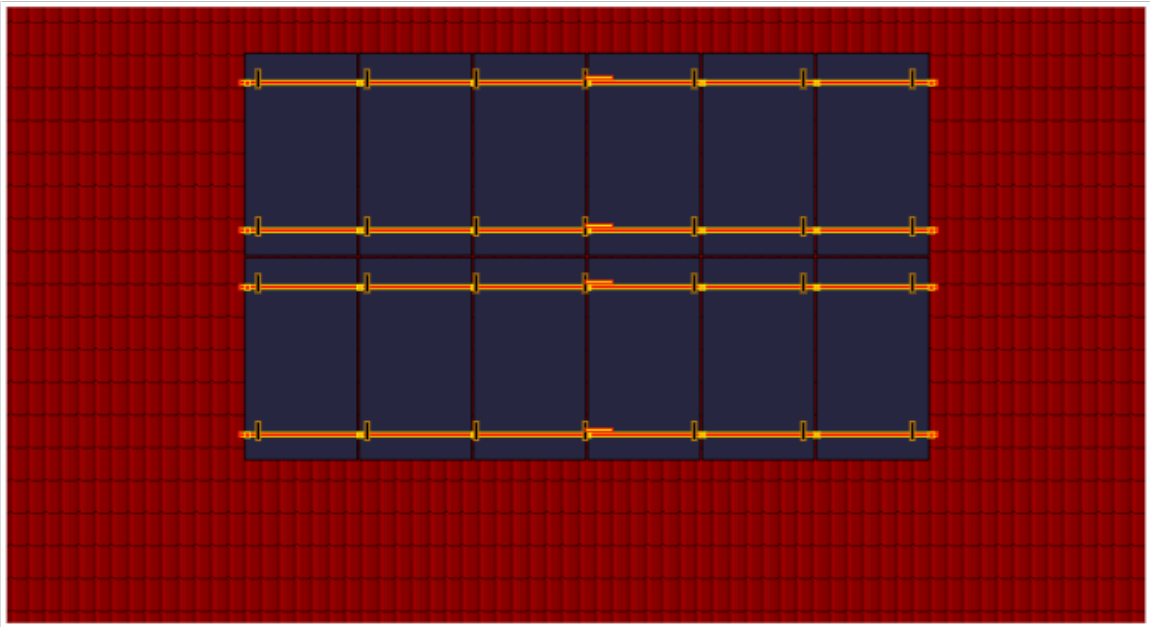
Reference: GG-204675-1

Date: 24th February 2022

Designer: Dave Scaife

Roof Layout

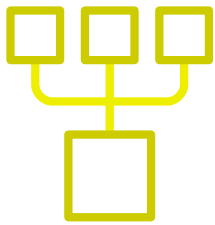
Roof 1



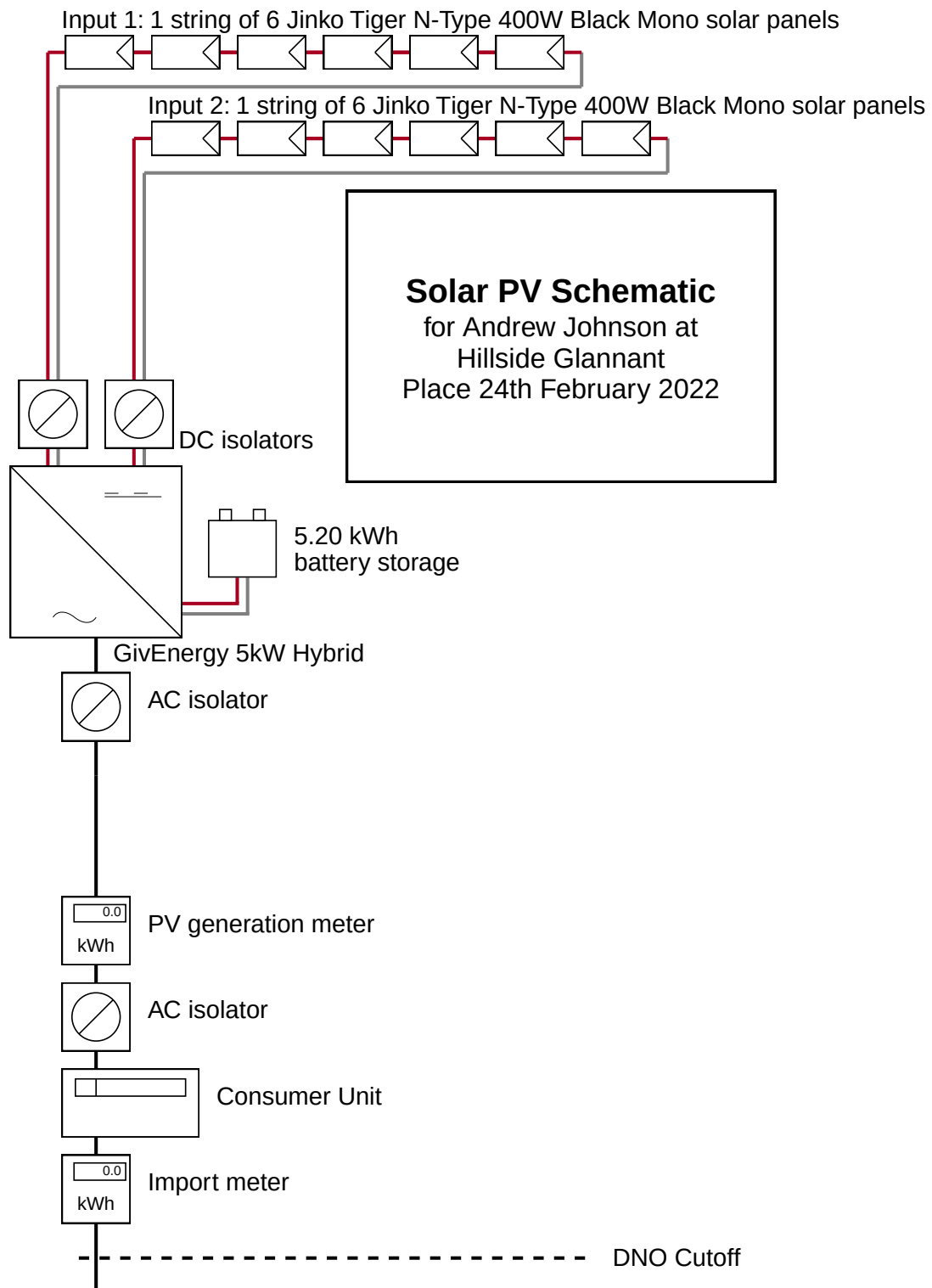
Component list

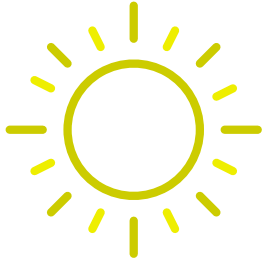
Item	Quantity
 Jinko Tiger N-Type 400W Black Mono solar panel	12
 GivEnergy 5kW Hybrid inverter	1
 **NET** Emlite Bi-directional Meter ECA2.nv	1
 Label sheet	1
 GivEnergy 100A DC breaker	1
 GivEnergy EM115 Meter with CT Clamp	1
 GivEnergy WiFi Dongle	1
 AC isolator - KN 25A 3-pole	2
 GivEnergy 5.2kWh LiFePO4 Battery	1
 DC isolator - KG20-4	2
Pair of MC4 connectors	4
50m reel of 4mm ² solar cable	1
Fastensol end clamp (30mm black)	8
Fastensol mid clamp (30mm black)	20
Fastensol end cap (black)	8

Fastensol portrait concrete tile roof hook	28
Fastensol rail splice	4
FS Black rail 3.3m	0
FS Silver rail 3.3m	8



Schematic diagram





Performance Estimate

Site details

Client

Andrew Johnson

Address

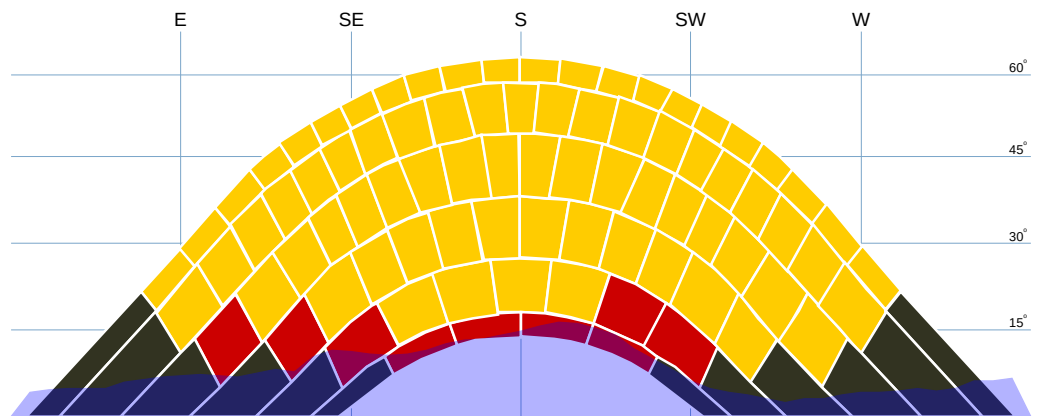
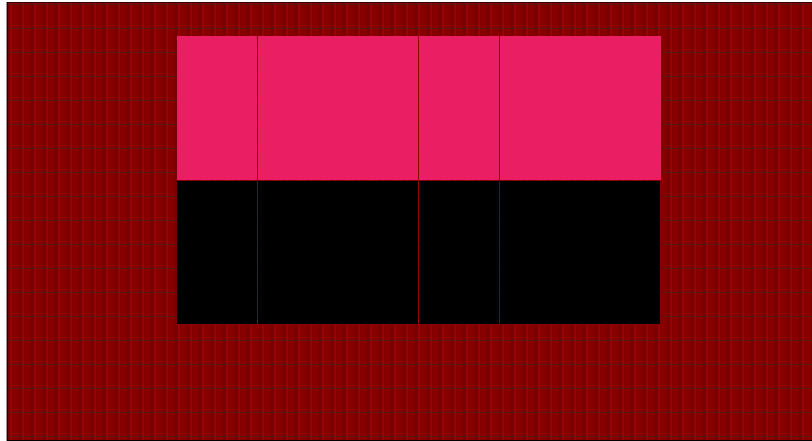
Hillside Glannant Place

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

GivEnergy 5kW Hybrid

Input 1



A. Installation data

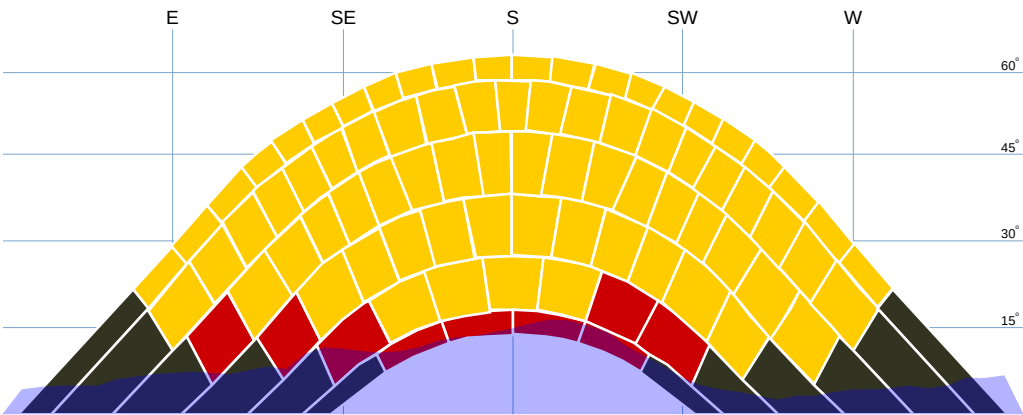
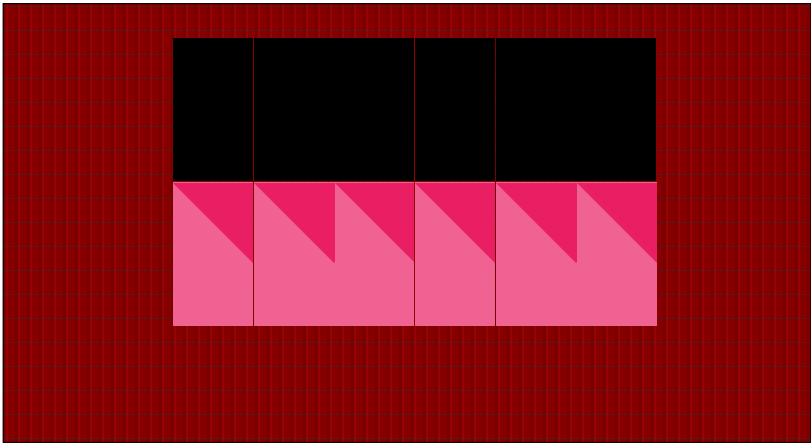
Installed capacity of PV system - kWp (stc)	2.400	kWp
Orientation of the PV system - degrees from South	45	°
Inclination of system - degrees from horizontal	35	°
Postcode region	5W	



B. Performance calculations

kWh/kWp (Kk)	896	kWh/kWp
Shade factor (SF)	0.91	
Estimated output (kWp x Kk x SF)	1957	kWh

Input 2



A. Installation data

Installed capacity of PV system - kWp (stc)	2.400	kWp
Orientation of the PV system - degrees from South	45	°
Inclination of system - degrees from horizontal	35	°
Postcode region	5W	



B. Performance calculations

kWh/kWp (Kk)	896	kWh/kWp
Shade factor (SF)	0.91	
Estimated output (kWp x Kk x SF)	1957	kWh

Performance Summary

A. Installation data		
Installed capacity of PV system - kWp (stc)	4.8	kWp
Orientation of the PV system - degrees from South	See individual inputs	
Inclination of system - degrees from horizontal	See individual inputs	
Postcode region	5W	
B. Performance calculations		
kWh/kWp (Kk)	See individual inputs	
Shade factor (SF)	See individual inputs	
Estimated output (kWp x Kk x SF)	3914	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.

This system performance calculation has been undertaken using estimated values for array orientation, inclination or shading. Actual performance may be significantly lower or higher if the characteristics of the installed system vary from the estimated values.

PV Solar Quotation Breakdown

Andrew Johnson
Hillside Glannant Place Neath SA11 5TE



Date: 24/02/2022
Quotation Reference: GG-204675-1

Equipment Costs

PV Equipment, Associated Materials and Delivery	£6,024.70
Total equipment cost	£6,024.70

Services Costs

Electrical work, Roofing work and Project Management	£1,757.26
Access Equipment	£500.00
Total services cost	£2,257.26

Totals

Total before tax	£8,281.96
VAT at 5.00%	£414.10
Total including tax	£8,696.06

When you're proceeding, we can take your 25% deposit either by Card or BACS payments. Please call us on 0330 113 9178 Bank Name: Barclays Bank Account Name: Glow Green Limited Sort Code: 20-11-39 Account Number: 1342 4146

Our intention is to give you a full and clear cost for the installation of the system. Providing nothing unforeseen should occur, the only additional costs, where not included above, would be those associated with any structural or planning related issues, should they be required.

PV Solar Order Confirmation

Andrew Johnson
Hillside Glannant Place Neath SA11 5TE



Date: 24/02/2022
Quotation Reference: GG-204675-1

Order Confirmation

By signing, you are confirming your order of the system detailed on the Order Quotation Breakdown. Please retain the quotation for your records.

We/I confirm the order for the products and installation services specified.

We/I agree to the total cost and payment terms set out above.

We/I have read and agree to abide by the Terms and Conditions of the Contract provided.

DNO's Model Form of Letter Of Authority Confirmation

By signing, I/we at the address Hillside Glannant Place Neath SA11 5TE, confirm that I/we are the legal and registered owner of the land situated at Hillside Glannant Place Neath SA11 5TE.

We would like to confirm that we have exclusively appointed Glow Green LTD to develop a roof top solar PV system on our land and hereby grant permission for them or any consultant that they may authorise to seek and apply for a grid connection on our land for the purpose of connecting a Solar PV System project to the local electricity distribution network.

Planning Permission Confirmation

By signing, I/we are confirming that we have received Planning Permission or a Building Warrant for the proposed installation, or ascertained that these are not required. Glow Green Ltd cannot be held responsible for any installations where Planning Permission or a Building Warrant was required but not obtained, and no refunds will be offered.

Customer Signature Agreeing To Above

Name: Andrew Johnson

Date:

Signature: