
Prepared by:

For: Company XYZ Limited

Quote #:

Valid until:



Solar Energy System Proposal

Dear ,

Thank you for the opportunity to present your Solar Energy System Proposal.

Best Regards,

Domestic and Commercial Solar PV installers.

Recommended System Option

71 %

Grid Independence

£8,262

Annual Energy Cost
After Solar excluding
VAT

£203,000

Net System Price
including VAT

£799,797

Lifetime Electricity Bill
Savings



Your Solution

Solar Panels

LONGi

189.420 kW Total Solar Power

462 x 410 Watt Panels (LR5-54HIH-410M)

169,152 kWh per year

Inverter

Huawei Technologies Co., Ltd.

200.000 kW Total Inverter Rating

2 x SUN2000-100KTL-M1

Battery

Premium Lithium Limited

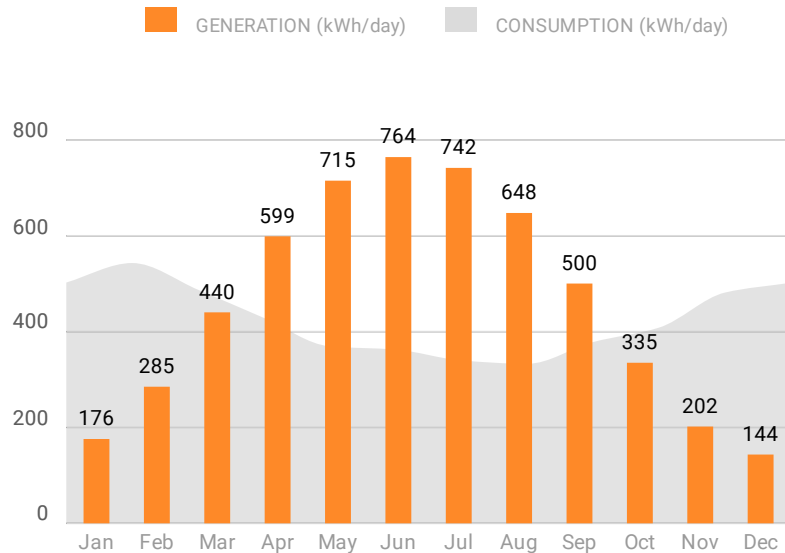
50 kWh Total Battery Storage

1 x Powerplant 50 - Stackable 51.2V 50KWH

Warranties: 12 Year Panel Product Warranty, 25 Year Panel Performance Warranty, 5 Year Battery Product Warranty

System Performance

108%
Energy From Solar



System Performance Assumptions: System Total losses: 0%, Inverter losses: 0%, Optimizer losses: 0%, Shading losses: 0%, Performance Adjustment: 0%, Output Calculator: MCS. Panel Orientations: 462 panels with Azimuth 160 and Slope 20.

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. The solar PV self-consumption has been calculated in accordance with the most relevant methodology for your system. There are a number of external factors that can have a significant effect on the amount of energy that will be self-consumed.

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.

Important Note: The energy performance and benefits of EESS is impossible to predict with certainty due to the numerous functions a system can be programmed to perform. 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.

A. Installation data		
Installed capacity of PV system - kWp (stc)	189.42	kWp
Orientation of the PV system - degrees from South	Group 1: 462 panels with Orientation: 20 °	°
Inclination of system - degrees from horizontal	Group 1: 462 panels with Tilt: 20°	°
Postcode region	6	
B. Performance calculations		
kWh/kWp (Kk) from table	Group 1: 893	kWh/kWp
Shade Factor (SF)	1.00	

Estimated annual output (kWp x Kk x SF)	169,152	kWh
C. Estimated PV self-consumption - PV Only		
Assumed annual electricity consumption, kWh	156,003.12	kWh
Assumed annual electricity generation from solar PV system, kWh	169,152	kWh
Expected solar PV self-consumption (PV Only)	105,776.36	kWh
Grid electricity independence / Self-sufficiency (PV Only)	67.80	%
D. Estimated PV self-consumption - with EESS		
Assumed usable capacity of electricity energy storage device, which is used for self-consumption, kWh	40.00	kWh
Expected solar PV self-consumption (with EESS)	111,369.97	kWh
Grid electricity independence / Self-sufficiency (with EESS)	71.0%	%

Environmental Benefits

Solar has no emissions. It just silently generates pure, clean energy.

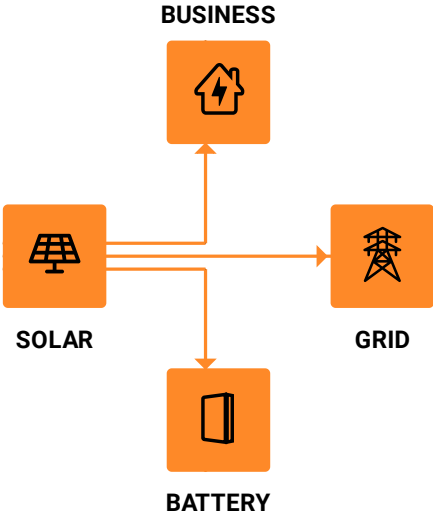


Each Year	
108%	43 tons
Of CO ₂ , SO _x & NO _x	Avoided CO ₂ per year

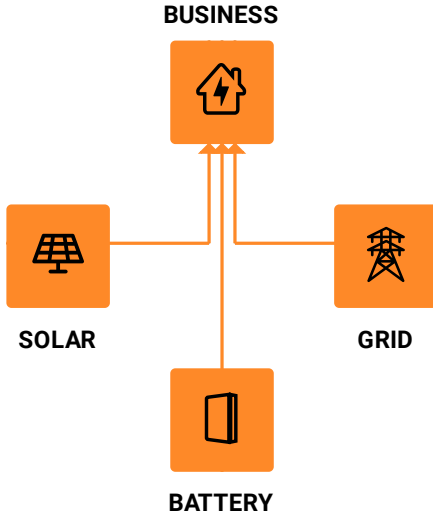
Over System Lifetime		
1,262,555	8,117	904
Car km avoided	Trees planted	Long haul flights avoided

How your system works

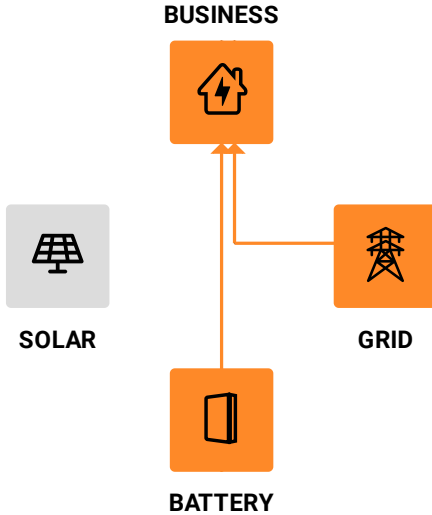
Generating Excess Solar



Partially Offset Usage

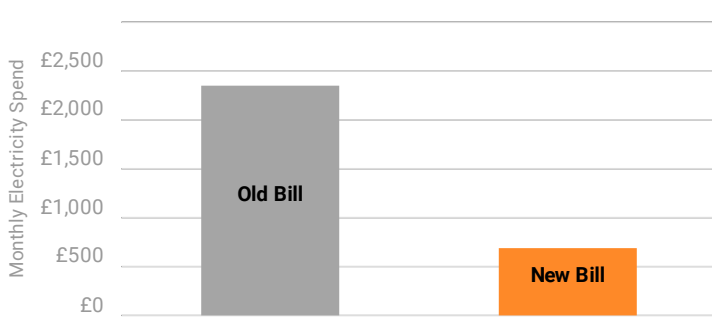


Night

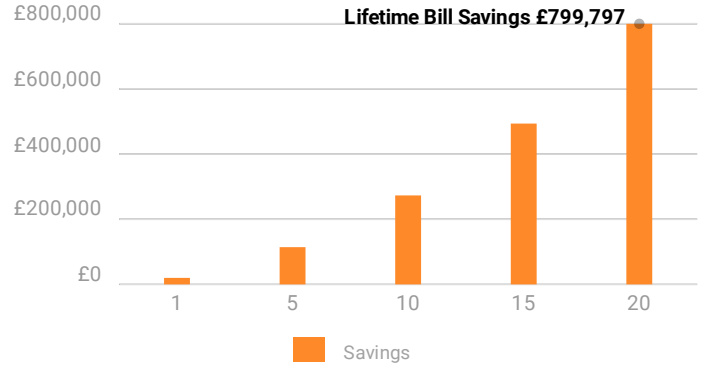


Electricity Bill Savings

First Year Monthly Bill Savings



Cumulative Bill Savings



Month	Solar Generation (kWh)	Electricity Consumption before solar (kWh)	Electricity Imported after solar (kWh)	Electricity Exported after solar (kWh)	Export Credit (£)	Utility Bill before solar (£)	Utility Bill after solar (£)	Estimated Savings (£)
Jan	5,456	15,582	10,126	0	0	2,816	1,833	982
Feb	7,983	15,213	7,249	7	0	2,748	1,315	1434
Mar	13,650	15,115	3,191	1,620	0	2,731	585	2146
Apr	17,970	12,863	613	5,611	0	2,326	121	2205
May	22,170	11,453	29	10,691	0	2,072	16	2056
Jun	22,931	10,882	0	12,013	0	1,969	10	1959
Jul	22,997	10,538	0	12,425	0	1,908	11	1897
Aug	20,080	10,323	43	9,745	0	1,869	19	1850
Sep	15,014	11,354	908	4,489	0	2,054	174	1880
Oct	10,389	12,665	3,526	1,181	0	2,291	646	1645
Nov	6,060	14,450	8,392	0	0	2,612	1,521	1090
Dec	4,450	15,566	11,116	0	0	2,813	2,012	801

Your projected energy cost is calculated by considering a 7% increase in energy cost each year, due to trends in the raising cost of energy. This estimate is based on your selected preferences, current energy costs and the position and orientation of your roof to calculate the efficiency of the system. Projections are based on estimated usage of 156000 kWh per year, assuming Custom Tariff Electricity Tariff.

Your electricity tariff rates may change as a result of installing the system. You should contact your electricity retailer for further information.

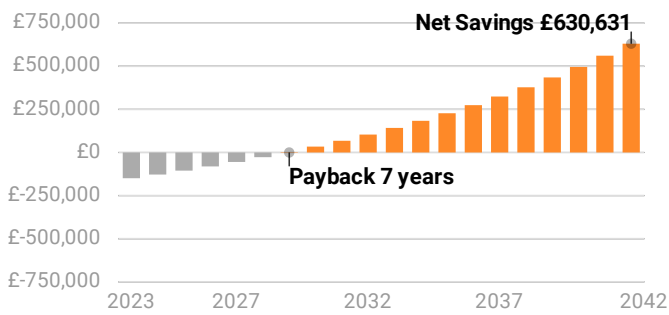
Proposed Tariff Details - Custom Tariff	
Energy Charges	
rate 0 All Day	£0.18 / kWh
Feed-in Tariff	
rate 0 All Day	£0.00 / kWh

Fixed Charges	
Fixed Charge	£0.35 / day

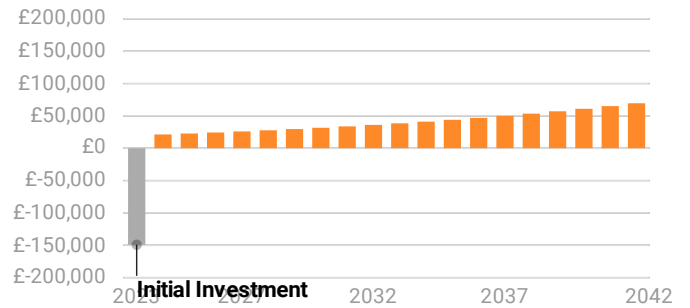
Net Financial Impact Cash

$$\begin{array}{rcl}
 \text{£799,797} & - & \text{£169,167} & = & \text{£630,631} \\
 \text{Utility Bill Savings} & & \text{Net System Cost} & & \text{Estimated Net Savings}
 \end{array}$$

Cumulative Savings From Going Solar



Annual Savings From Going Solar



Estimates do not include replacement costs of equipment not covered by a warranty. Components may need replacement after their warranty period. Financial discount rate assumed: 6.75%

Quotation

Payment Option: Cash

462 x LR5-54HIH-410M 410 Watt Panels (LONGi)
2 x SUN2000-100KTL-M1 (Huawei Technologies Co., Ltd.)
1 x Powerplant 50 - Stackable 51.2V 50KWH (Premium Lithium Limited)

Total System Price	£169,166.67 Excluding £33,833.33 VAT
Purchase Price	£169,166.67 Excluding £33,833.33 VAT

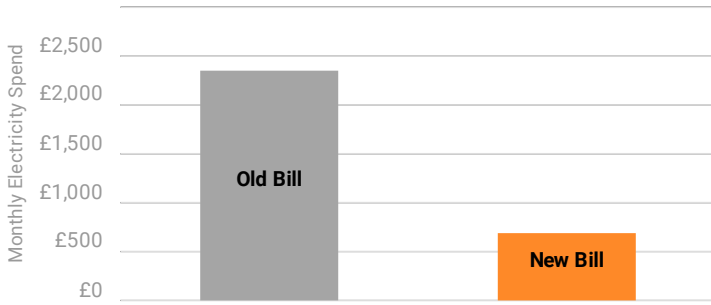
Price excludes Retailer Smart Meter should you want us to install your Smart Meter it will be an additional cost.
This proposal is valid until

Payment Milestones

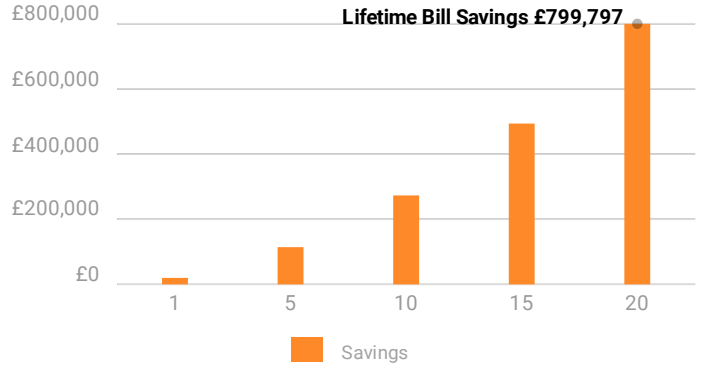
Initial Payment Upon Order Acceptance	50,750.00
Upon Installation Upon Installation	152,250.00
Total	203,000.00

Electricity Bill Savings

First Year Monthly Bill Savings



Cumulative Bill Savings



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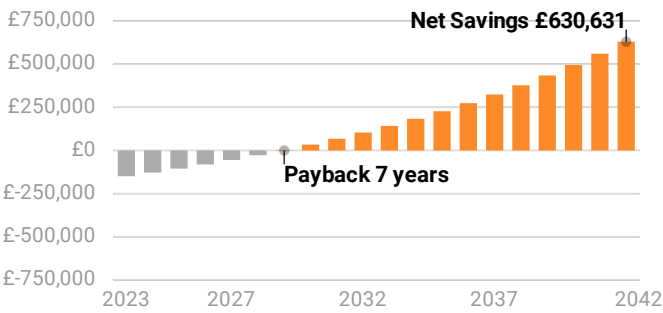
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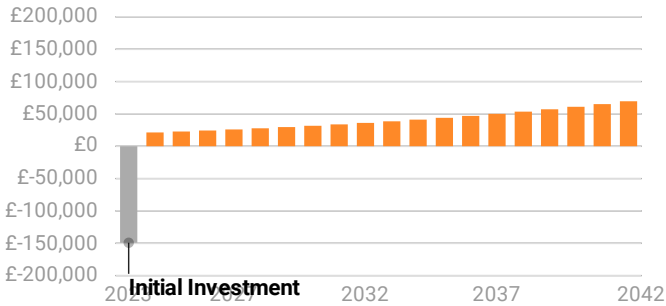
Net Financial Impact Consumer Payment Plan

£799,797 - £169,167 = **£630,631**
 Utility Bill Savings Net System Cost Estimated Net Savings

Cumulative Savings From Going Solar



Annual Savings From Going Solar



Estimates do not include replacement costs of equipment not covered by a warranty. Components may need replacement after their warranty period. Financial discount rate assumed: 6.75%

Quotation

Payment Option: Consumer Payment Plan

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Purchase Price	£169,166.67 Excluding £33,833.33 VAT

Price excludes Retailer Smart Meter should you want us to install your Smart Meter it will be an additional cost.
This proposal is valid until

Payment Milestones

Initial Payment Upon Order Acceptance	50,750.00
Upon Installation Upon Installation	152,250.00
Total	203,000.00

Terms and Conditions of Sale, Payment, Supply and Installation of your Solar PV system.

Please read this document carefully and do not sign it if there is anything you are unsure about or would like clarifying.

This agreement dated _____ between;

1. PARTIES:

a) "The Company"

And

b) "the Customer" of

Agreement:

The Customer hereby agrees to purchase from the Company a Solar PV system "the System" as described and documented in the attached Quotation. The price is inclusive of VAT, supply, installation and commissioning.

2. INSTALLATION:

The Company or its appointed subcontractor will make reasonable endeavours to install the System as quickly as possible. The actual installation date will be confirmed at least 7-days before the System is fitted.

3. PAYMENT:

Unless otherwise agreed in writing the payment terms are 25% payable upon acceptance and signing of this the agreement and the remaining 75% is payable upon the day of installation and commissioning.

4. CONDITIONS AND DECLARATIONS:

The Company declares and the Customer accepts (and shall have had the opportunity to and be deemed to have investigated or taken appropriate advice before entering into this agreement);

1. The Customer is agreeing to buy a PV Solar System that may or may not save money on the cost of energy consumption at the relevant property.
2. The Company cannot guarantee that the Customer will obtain any financial benefits by purchasing the System.

5. CANCELLATION POLICY:

The Customer has a statutory right to a "cooling off" period which begins on the commencement of this Agreement as set out at the top of page 1, ending 14 Calendar Days after this date.

If the Customer wishes to cancel the Contract within the cooling off period the Customer should inform the Company immediately by either a letter sent by post to _____
email to _____

To meet the cancellation deadline, the Customer must send his or her communication concerning the exercise of the right to cancel before the cancellation period has expired.

If the Customer exercises the right to cancel in relation to the Services a full refund will be made of any amount paid to the Company without any undue delay.

6. WARRANTY:

Details of the System warranty is detailed in a separate statement sent with an order acknowledgement prior to survey. Notification of any claim under the warranty must be in writing. This does not affect your statutory rights. These terms and conditions shall not be constructed so as to affect the statutory or common law rights of the purchaser, save in so far as the same may be lawfully excluded or varied. "The performance of renewable 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 is based upon the government's standard assessment procedure for energy ratings of buildings (SAP) and is given as guidance only. It should not be considered as a guarantee of performance.

8. COMPLAINTS PROCESS:

If you have a complaint regarding any aspect of the process from sale to installation please write to

We aim to acknowledge your complaint in writing within seven days after you first tell us about it. We will try to deal with your complaint as soon as possible. If your complaint is complicated, we may need more time to address it and we will keep you updated about our progress. We aim to resolve all complaints within eight weeks.

You can get a copy of our full complaints policy by asking us in writing.

If you are not happy with the way we have handled your complaint then you may be able to complain to an ombudsman service however please tell us about your problem first and give us a chance to resolve it.

9. CONTACT US:

If you have any questions or you need to contact us about the installation you can contact us on:

Phone:

Email:

Post:

10. GENERAL TERMS AND CONDITIONS:

1. The make, model and manufacturer of the panels and equipment may change due to availability or technical reasons. The Company will provide an accurate description of the panel and equipment list prior to installation. All panels and equipment will be Tier 1 MCS approved and fitted by suitably qualified personnel. The panels and equipment remain the property of the Company until payment has been received in full.
2. The Company enters into this Agreement on the basis of its representative's assessment/survey of your property and its requirements. However this assessment is conditional upon confirmation by the Company's planning/technical department and their relevant feasibility study. In the event of an unsatisfactory survey report the Company reserves the right to cancel the Agreement after having given you a full written explanation of the difficulties encountered. We will also refund any payments made by you. Thereupon this Agreement will be null and void.
3. The Customer shall grant Company representatives relevant access to the premises at convenient times to both parties, for the purpose of technical assessment, to carry out the works detailed within the Agreement, any

subsequent remedial work if necessitated.

4. The Company shall not be liable for any interruption in the completion of the works which may arise from causes beyond the Companies reasonable control.
5. The Company has quoted its price to the Customer on the basis that full payment falls due upon completion of work. The Company relies on the Customer to pay the whole of the balance when given notice, via invoice, of the completion of works without any retention or set off.
6. The Company shall not be liable for damage or faults due to an accident, misuse or neglect by the Customer.
7. In the event of a fault occurring due to faulty materials or workmanship, the Company will promptly arrange for the defects to be rectified in line with all statutory rights.
8. All materials in the System will belong to the Company until all balances outstanding are paid to the Company.
9. This agreement shall be governed by, and construed in accordance with, the law of England and Wales. Any dispute arising out of or in connection with, or concerning the carrying into effect of, this agreement shall be subject to the exclusive jurisdiction of the Courts of England and Wales, and the parties hereby submit to the exclusive jurisdiction of those Courts for these purposes.



This proposal has been prepared
disclosures from OpenSolar.

using tools from OpenSolar. Please visit www.opensolar.com/proposal-disclaimer for additional