



20.655_{kW}
System Size

£1,974
Estimated Annual
Electricity Bill Savings

£26,852
Net System Price

10.1
Payback (Years)



Your Solution

Solar Panels
Canadian Solar
20.655 kW Total Solar Power

SYSTEM OPTIONS

51 Panels

51 Panel System + 64Kw Ba...

51 Panel System + 128Kw B...

PAYMENT OPTIONS

BACS

NEXT STEP

Accept Proposal



Marcelo Rossi
Sales Representative
[01923586089](tel:01923586089) [✉ Email](#)

51 x 405 Watt Panels (CS6R-405MS)
14,963 kWh per year

Inverter
SolarEdge Technologies Ltd.
25 kW Total Inverter Rating
1 x SE25K

Power Optimizer
SolarEdge P505 Power Optimizer
51 x P505

Warranties: 12 Year Panel Product Warranty, 25 Year Panel Performance Warranty, 12 Year Inverter Product Warranty

The MCS output (MIS 3002) and self-consumption (MGD 003) calculation methodology was not used in calculating the numbers in the table below. An alternative calculator System Advisor Model 2020.02.29.r2 was used.

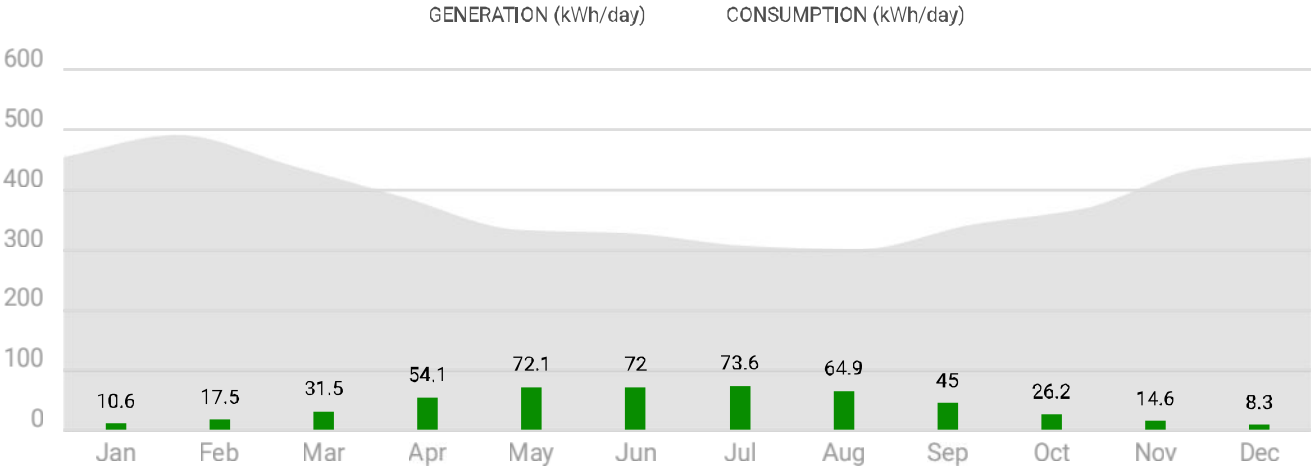
A. Installation data		
Installed capacity of PV system - kWp (stc)	20.65	kWp
Orientation of the PV system - degrees from South	Group 1: 11 panels with Orientation: 95 ° Group 2: 2 panels with Orientation: 90 ° Group 3: 2 panels with Orientation: 45 ° Group 4: 6 panels with Orientation: 45 ° Group 5: 2 panels with Orientation: 45 ° Group 6: 2 panels with Orientation: 0 ° Group 7: 16 panels with Orientation: 90 ° Group 8: 10 panels with Orientation: 45 °	°
Inclination of system - degrees from South	Group 1: 11 panels with Tilt: 37° Group 2: 2 panels with Tilt: 35° Group 3: 2	°

	panels with Tilt: 36° Group 4: 6 panels with Tilt: 36° Group 5: 2 panels with Tilt: 36° Group 6: 2 panels with Tilt: 37° Group 7: 16 panels with Tilt: 20° Group 8: 10 panels with Tilt: 10°	
Postcode region	1	
B. Performance calculations		
kWh/kWp (Kk)	867.6	kWh/kWp
Shade Factor (SF)	0.83	
Estimated annual output (kWp x Kk x SF)	14,963	kWh
C. Estimated PV self-consumption - PV Only		
Assumed occupancy archetype	In Half Day	
Assumed annual electricity consumption, kWh	141,265.62	kWh
Assumed annual electricity generation from solar PV system, kWh	14,963	kWh
Expected solar PV self-consumption (PV Only)	14,881.62	kWh
Grid electricity independence / Self-sufficiency (PV Only)	10.53	%

System Performance

11%
Energy From Solar

[Daily Energy Profile](#)



99% Self-consumption	1% Export to grid
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Environmental Benefits

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



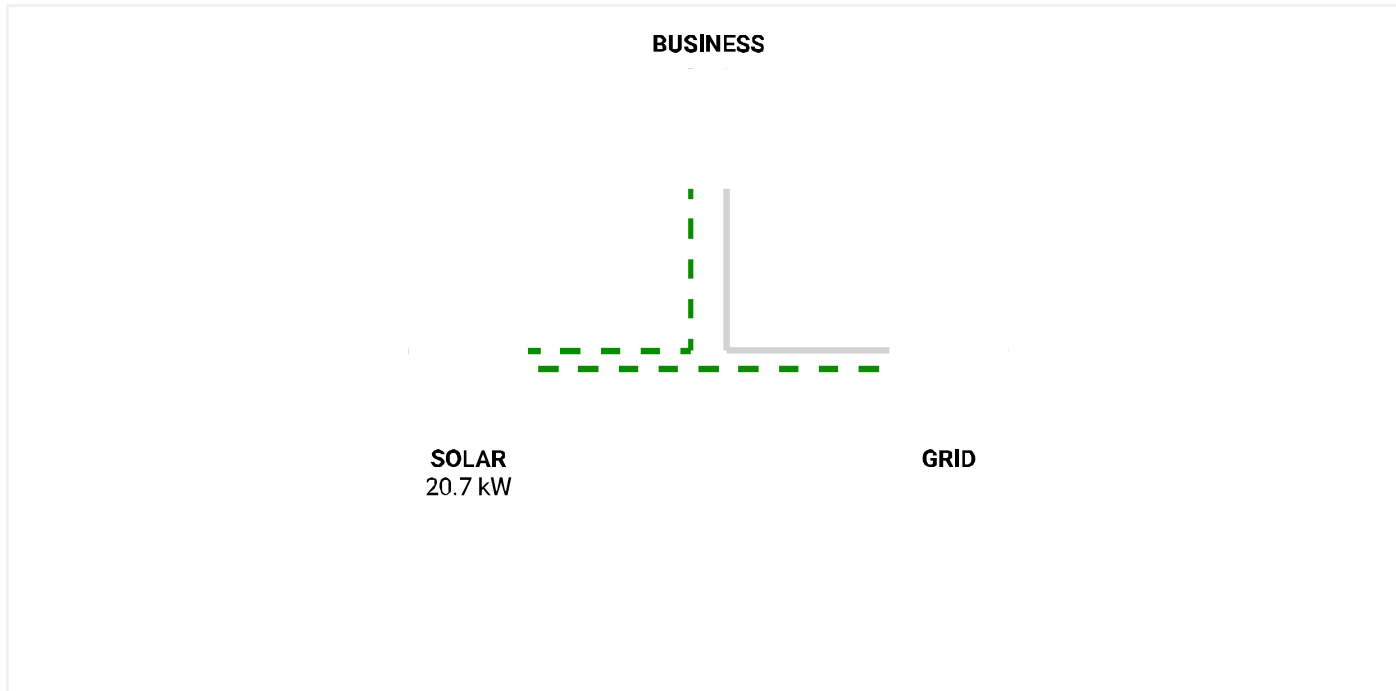
Each Year		
11% Of CO ₂ , SO _x & NO _x		3.8tons Avoided CO ₂ per year
Over System Lifetime		
111,683 Car km avoided	718 Trees planted	80 Long haul flights avoided

How your system works

Generating Excess Solar

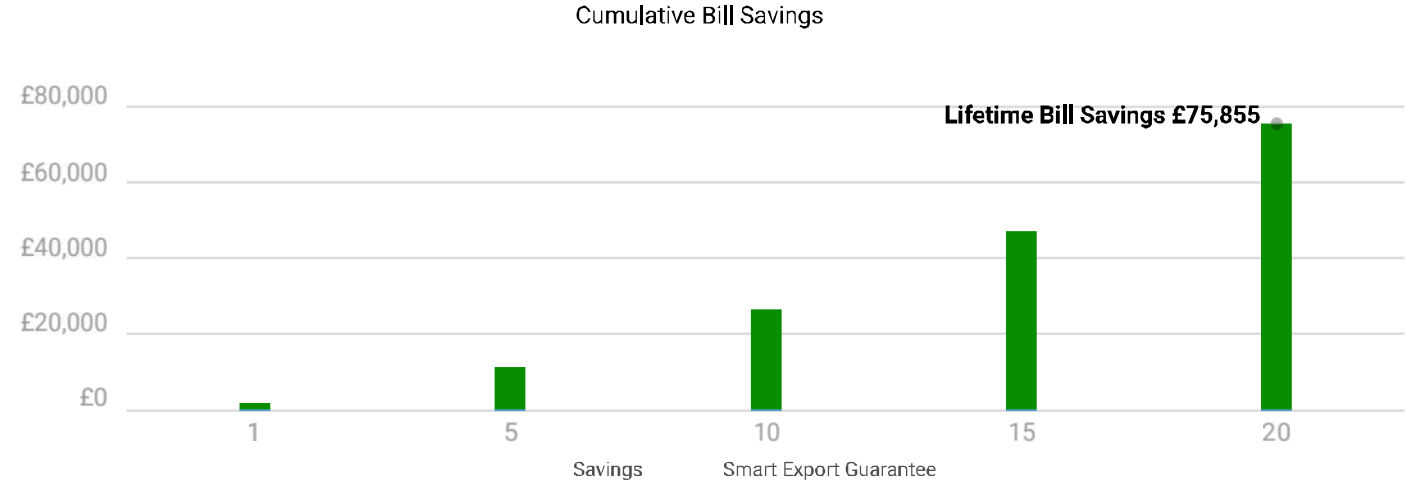
Partially Offset Usage

Night



Electricity Bill Savings

First Year Monthly Bill Savings



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 141266 kWh per year, assuming the Electricity Tariff table below:

Proposed Tariff Details - Custom Tariff	
Energy Charges (£/kWh)	
Consumption Charge - Day 8am-12am	Tier 1 (> 0 kWh): £0.14

Consumption Charge - Night 12am-8am	Tier 1 (> 0 kWh): £0.09
Feed-in Tariff (£/kWh)	
FiT	Tier 1 (> 0 kWh): £0.06

Net Financial Impact

£75,855
Utility Bill Savings

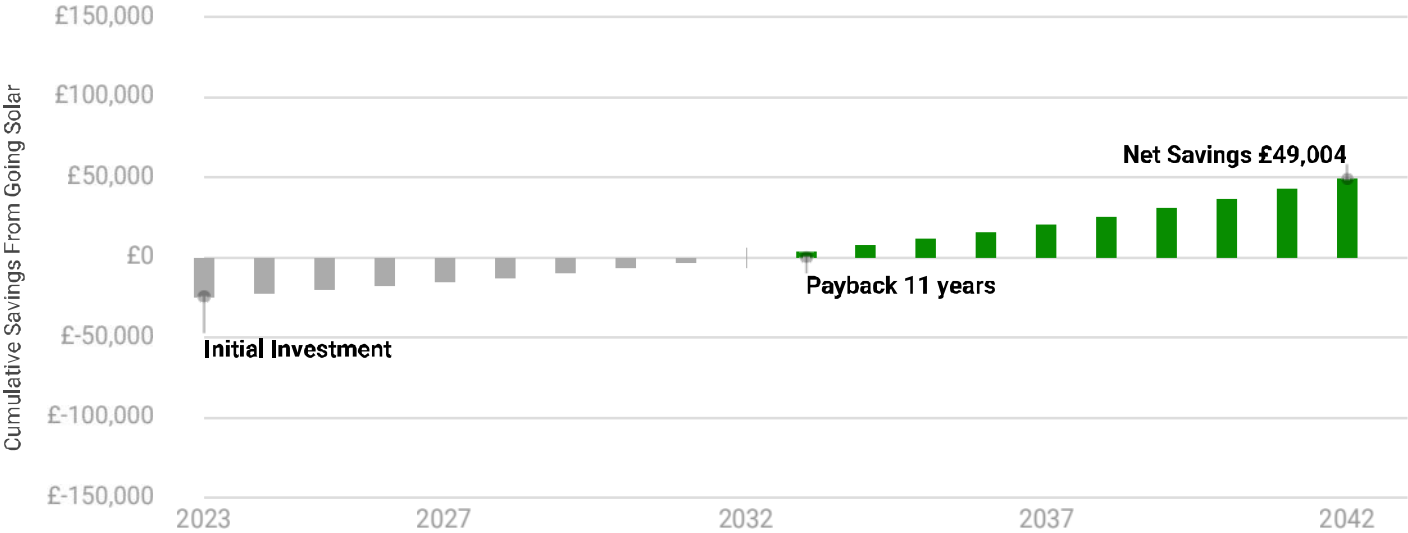
-

£26,852
Net System Cost

=

£49,004
Estimated Net Savings

CumulativeAnnual



Quotation: BACS

51 x CS6R-405MS 405 Watt Panels (Canadian Solar)
1 x SE25K (SolarEdge Technologies Ltd.)
51 x P505
Tilt Racks (26 panels only)

Total System Price

£26,851.50 Plus £0.00 VAT

Purchase Price

£26,851.50 Plus £0.00 VAT

PV Solar Order Confirmation

Name:

Address: 16 Winchester PI None N6 5BQ

Date: 3rd March 2023

Quotation Ref#: 1421162

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 16 Winchester PI None N6 5BQ, confirm that I we are the legal and registered owner of the land situated at 16 Winchester PI None N6 5BQ.

We would like to confirm that we have exclusively appointed Lizard Energy Limited 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. Lizard Energy Limited 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:

Date: 3rd March 2023

Signature: _____ X

NO SCAFFOLDING INCLUDED, THIS WILL BE ADDED AT COST



About Lizard Energy Limited

Download Proposal

System Performance Assumptions: System Total losses: 12.0%, Inverter losses: 2.0%, Optimizer losses: 1.2%, Shading losses: 16.5%, Performance Adjustment: 0%, Output Calculator: System Advisor Model 2020.02.29.r2. Panel Orientations: 11 panels with Azimuth 273 and Slope 37, 2 panels with Azimuth 92 and Slope 35, 2 panels with Azimuth 137 and Slope 36, 6 panels with Azimuth