

**Introduction**

**For: Steve**  
101 Bayham Street, London

Quote #: 4164486  
Valid until: 26th April 2024



## Technical Submission

**Yeames Solar**  
98a Maple Leaf Business Park  
Manston Kent  
CT12 5GY

Phone: 01843498013  
Email: [solar@yeames.com](mailto:solar@yeames.com)  
Web: [www.yeames.com](http://www.yeames.com)

Yeames Solar is a trading  
name of Yeames Ltd  
Company Registration: 12382850  
VAT Registration: GB339542286

Yeames Solar are not authorised  
by the Financial Conduct Authority  
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or investment advice.

## Recommended System Option

<b>14</b> kWp	<b>0</b> kWh	<b>31.1</b> kWh	<b>11,360</b> kWh
System Size	Battery Size	Daily Solar Generation (Year 1)	Estimated Annual Solar Generation

## Your Solution

### Solar Panels

**JA Solar****14.000 kW** Total Solar Power**28 x 500 Watt Panels** (JAM66S30-500/MR/1500V)**11,360 kWh** per year

### Inverter

**SolarEdge Technologies Ltd.****10.000 kW** Total Inverter Rating

1 x SE10K

### Power Optimizer

650 W Power Optimizer For Residential Installations

28 x S650B

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

## Environmental Benefits

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



### Each Year

**38%**  
Of CO<sub>2</sub>, SO<sub>x</sub> & NO<sub>x</sub>

**3 tons**  
Avoided CO<sub>2</sub> per year

### Over System Lifetime

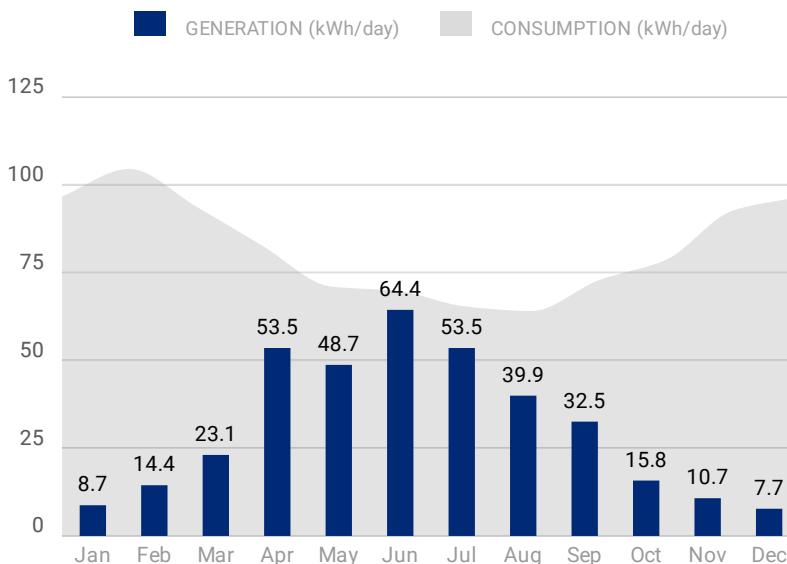
**84,788**  
Car km avoided

**545**  
Trees planted

**61**  
Long haul flights  
avoided

## System Performance

**38%**  
Energy From Solar



**67%**  
Self-consumption

**33%**  
Export to grid

System Performance Assumptions: System Total losses: 14.0%, Inverter losses: 2.4%, Optimizer losses: 1.4%, Shading losses: 0%, Performance Adjustment: 0%, Output Calculator: System Advisor Model 2020.02.29.r2. Panel Orientations: 9 panels with Azimuth 59 and Slope 20, 9 panels with Azimuth 239 and Slope 20, 5 panels with Azimuth 237 and Slope 20, 5 panels with Azimuth 57 and Slope 20.

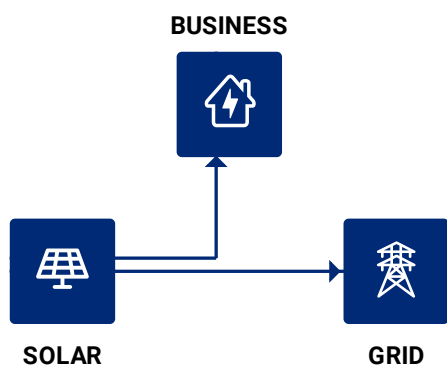
MCS Performance: The MCS output (MIS 3002) and self-consumption (MGD 003) calculation methodology was not used in calculating the numbers in the table below. An alternative calculator System Advisor Model 2020.02.29.r2 was used.

A. Installation data		
Installed capacity of PV system - kWp (stc)	14.00	kWp
Orientation of the PV system - degrees from South	Group 1: 9 panels with Orientation: 120 ° Group 2: 9 panels with Orientation: 60 ° Group 3: 5 panels with Orientation: 55 ° Group 4: 5 panels with Orientation: 125 °	°
Inclination of system - degrees from horizontal	Group 1: 9 panels with Tilt: 20° Group 2: 9 panels with Tilt: 20° Group 3: 5 panels with Tilt: 20° Group 4: 5 panels with Tilt: 20°	°
Postcode region	1	
B. Performance calculations		

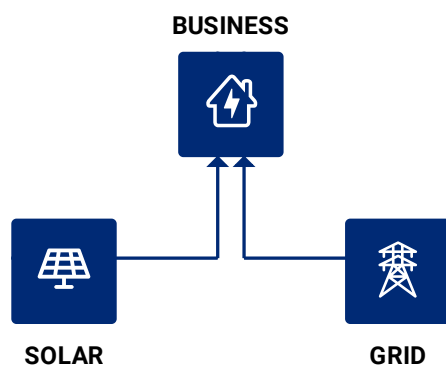
kWh/kWp (Kk)	811.4	kWh/kWp
Shade Factor (SF)	1.00	
Estimated annual output (kWp x Kk x SF)	11,360	kWh
<b>C. Estimated PV self-consumption - PV Only</b>		
Assumed annual electricity consumption, kWh	30,000.00	kWh
Assumed annual electricity generation from solar PV system, kWh	11,360	kWh
Expected solar PV self-consumption (PV Only)	7,637.74	kWh
Grid electricity independence / Self-sufficiency (PV Only)	25.46	%

## How your system works

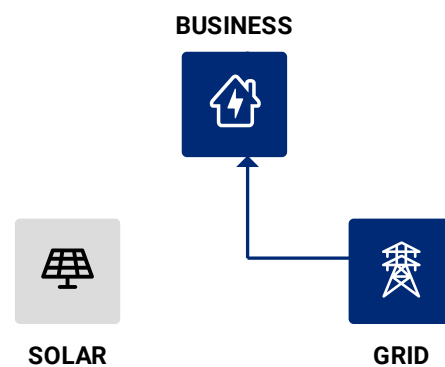
### Generating Excess Solar



### Partially Offset Usage



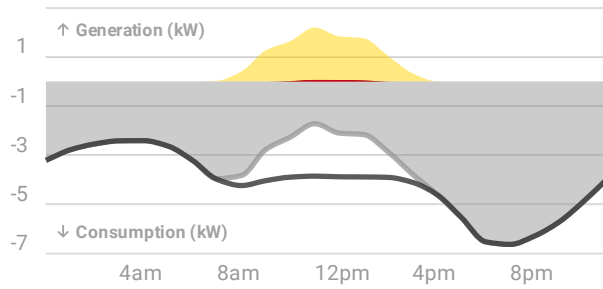
### Night



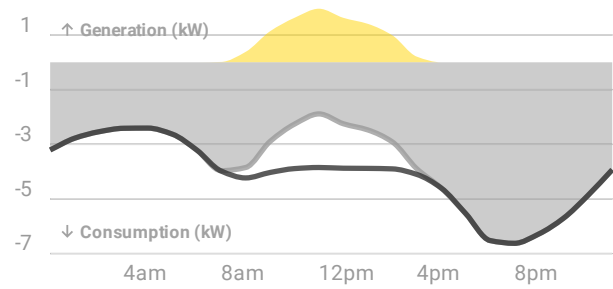
## Daily Energy Flows

■ CONSUMPTION (kWh)    ■ GENERATION (kWh)    ■ NET CONSUMPTION (kWh)    ■ EXPORT TO GRID (kWh)

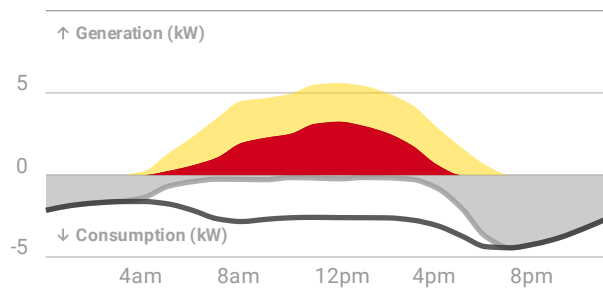
### Winter Weekday



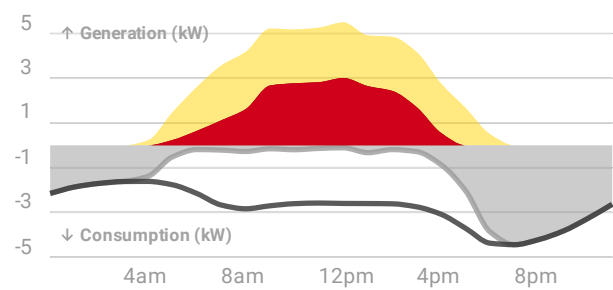
### Winter Weekend



### Summer Weekday



### Summer Weekend



This proposal has been prepared by Yeames Solar using tools from OpenSolar. Please visit [www.opensolar.com/proposal-disclaimer](http://www.opensolar.com/proposal-disclaimer) for additional disclosures from OpenSolar.

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**Subject to Survey**

- Following payment of your deposit Yeames will carry out a formal survey to confirm and finalise the solution. Subject to the survey, in some cases, changes to the proposed solution may be recommended or in fact required
- Planning and Structural Survey works may be required to facilitate this project. The costs of these are not included in the proposal. We can put you in contact with service providers

**What's Included?**

- We offer an A-Z turnkey service taking care of all the project paperwork including MCS certificate, building control notifications and post install G-98 Grid notification
- Please note G99 applications may be subject to additional costs unless otherwise stated - see 'DNO Planning' Section below
- Supply and installation of panels, inverters, generation meter, isolators, cabling, batteries (if you have requested them) wifi monitoring, connection to your business and commissioning of the system
- Insurance backed deposit protection -With Quality Mark Protection

**What's Excluded from the Proposal?**

- Any external consultants costs
- Smart metre (you can request this from your energy company)
- Value Added Tax (VAT)
- The removal/replacement of specialist building materials or trunking.
- The moving of furniture/equipment which requires more than two persons, or any furniture/equipment that requires dismantling/special-lifting equipment or is contained within storerooms, storage areas or any area the installation team require access
- Any additional required structural works

**Quote Validity Period**

30 days from issue

**Extra Costs**

If, during the survey process, we come across any situation that we could not reasonably be expected to foresee, for example, remedial electrical or building work, we will discuss with you the implications and costs involved in rectifying the problem.

**DNO Planning**

DNO (Distribution Network Operator) is the supplier of Electrical Infrastructure for the Electricity Grid. Should a G99 application be required, we will apply on behalf of the client; you should be aware that this process can take up to 12 weeks for response from the DNO.

**Timetable of Works**

1. Agree Proposed Solution based on budget, payback period, ROI & other factors
2. Purchase Order
3. 40% Deposit
4. Survey within 30 days
5. Agree Final Solution based on Survey Outcome
6. Book installation Date & Submit DNO Application (for SEG G99) within 90 days
7. Deliver Materials

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8. Next 40% Payment
  9. Install Solution
  10. Commission
  11. Final 20% Payment

**Payment**

For commercial installations, 40% on order, 40% on delivery of materials and 20 % on practical completion and commissioning

**Data Protection**

We will keep information about individuals in accordance with data protection legislation. We will not pass information to any third party without your permission.

**After Sales Support & Maintenance**

If you have any questions regarding any aspect of the proposal, system or its operation, please contact us. We will issue a handover pack on completion. We can, should you require it, provide servicing and/or maintenance contracts at additional cost.