

8/2022 10547  
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Proposal for Chris [REDACTED]

Prepared by: info@plugandgo.co  
[REDACTED]

For: Chris  
Edisford House, Clitheroe



## Solar Energy System Proposal

Dear Chris,

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

Best Regards,

[REDACTED]  
**Plug and Go Ltd**

### Recommended System Option

**7.02 kW**

System Size

**£881**

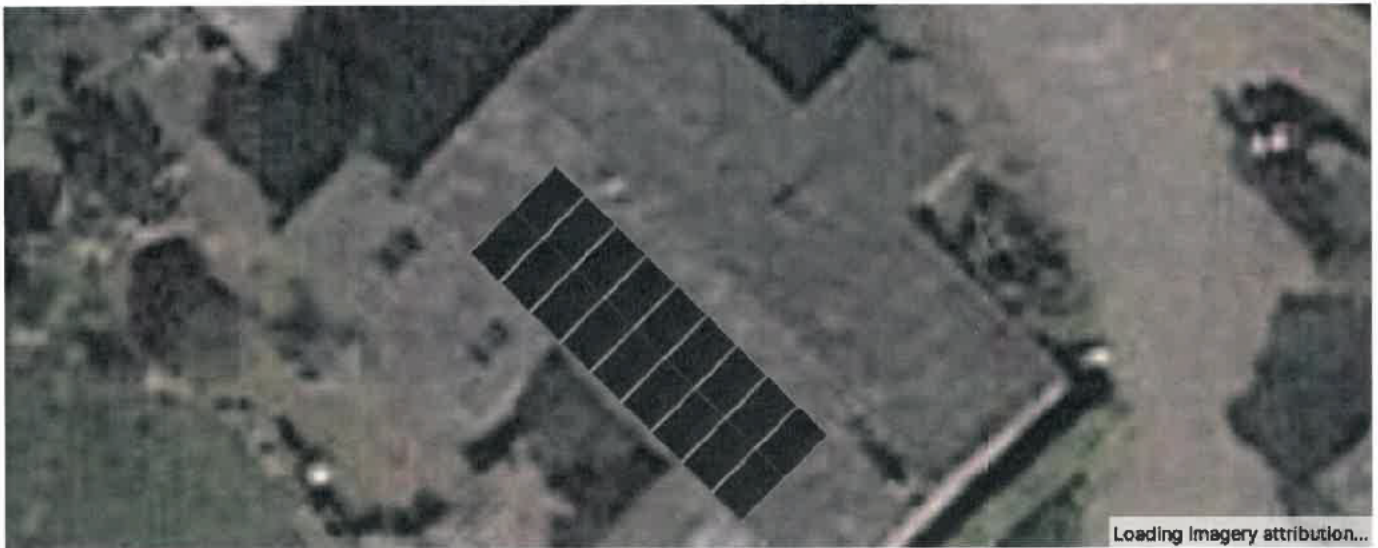
Estimated Annual  
Electricity Bill Savings

**£0**

Total System Price

**£0**

Net System Price



### Your Solution

**MBB Half-Cell Black Module - Deep Blue**

18 JAM54S31-390/MR  
390 Watt panels  
12-year Product Warranty  
25-year Linear Power Output  
Warranty  
6,075 kWh per year



**Inverter**

**SOLIS - Ningbo Ginlong Technologies**  
8.000 kW Total Inverter Rating  
1 x Solis-3P8K-4G

**Battery**

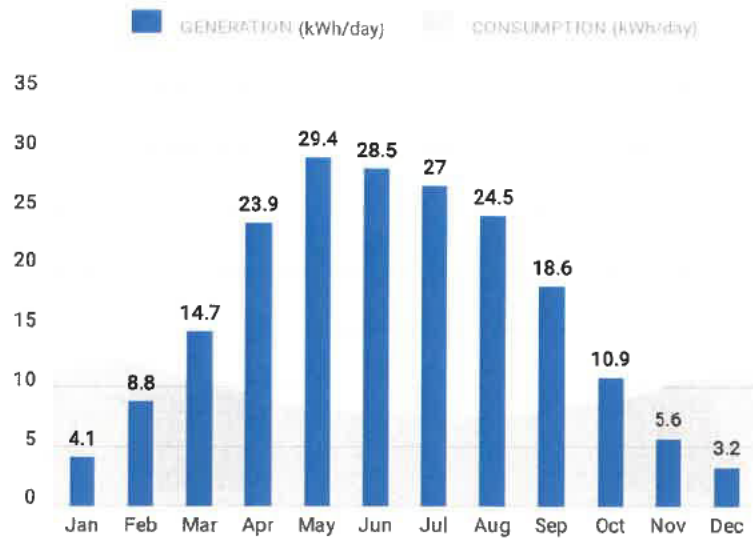
**Alpha ESS Co., Ltd.**  
5.7 kWh Total Battery Storage  
1 x M48112-S

None

Warranties: 12 Year Panel Product Warranty 25 Year Panel Performance Warranty 3 Year Battery Product Warranty

## System Performance

**174%**  
Energy From Solar



System Performance Assumptions: System Total losses: 14.3%, Inverter losses: 1.9%, Optimizer losses: 0%, Shading losses: 0%, Performance Adjustment: 0%. Output Calculator: System Advisor Model 2020.02.29.12. Panel Orientations: 18 panels with Azimuth 225 and Slope 20.

## Environmental Benefits

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



Each Year

**174%**  
Of CO<sub>2</sub>, SO<sub>x</sub> & NO<sub>x</sub>

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

**45,342**  
Car km avoided

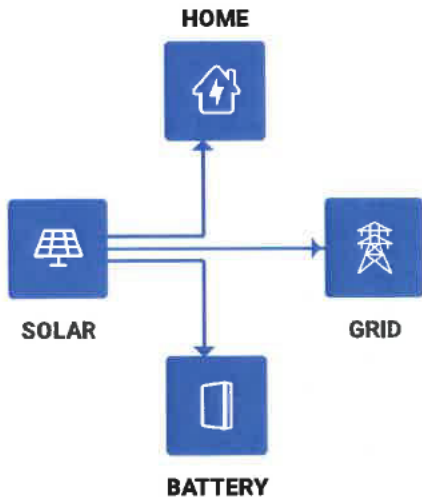
Over System Lifetime

**292**  
Trees planted

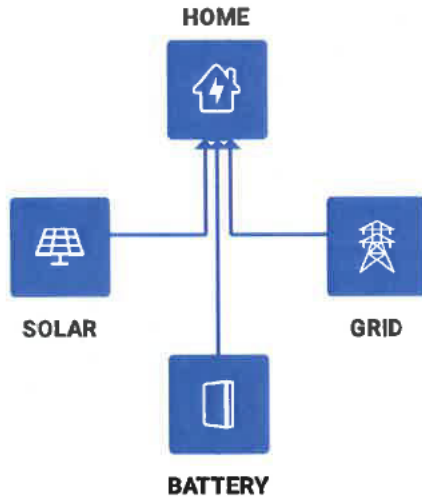
**32**  
Long haul flights avoided

### How your system works

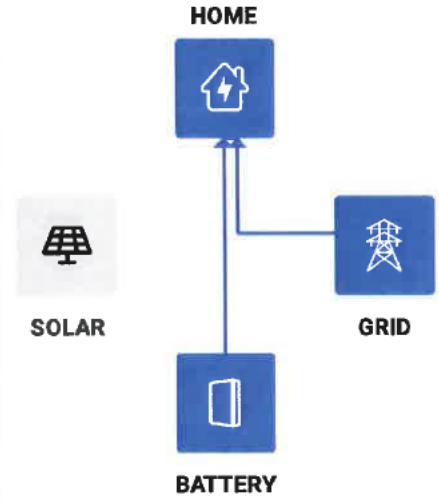
Generating Excess Solar



Partially Offset Usage



Night

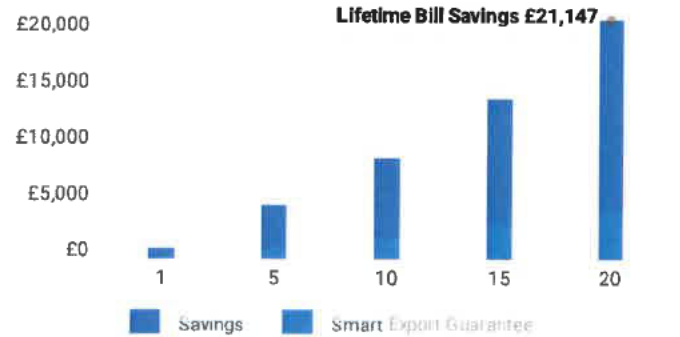


## Electricity Bill Savings

First Year Monthly Bill Savings



Lifetime Bill Savings



Month	Electricity Consumption (before solar)	Solar Generation	Utility Bill (before solar)	Utility Bill (after solar)	Estimated Savings (from solar)
Jan	350 kWh	126 kWh	£112	£78	£34
Feb	341 kWh	247 kWh	£108	£55	£53
Mar	339 kWh	457 kWh	£109	£26	£83
Apr	289 kWh	718 kWh	£94	£-5	£100
May	257 kWh	912 kWh	£86	£-19	£104
Jun	244 kWh	854 kWh	£82	£-17	£99
Jul	236 kWh	838 kWh	£80	£-16	£96
Aug	232 kWh	760 kWh	£79	£-12	£91
Sep	255 kWh	557 kWh	£85	£0	£84
Oct	284 kWh	337 kWh	£94	£27	£67
Nov	324 kWh	169 kWh	£104	£62	£42
Dec	349 kWh	100 kWh	£112	£84	£27

Rate not specified specified using Average Residential Rate based on location.

Your projected energy cost is calculated by considering a 7.0% increase in energy cost each year, due to trends in the rising 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 3500 kWh per year, assuming Average Residential Rate 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 - London Average Residential Rate

#### Energy Charges (£/kWh)

Usage Charge **£0.28**

#### Feed-in Tariff (£/kWh)

Feed-In Credit **£0.05**

#### Fixed Charges

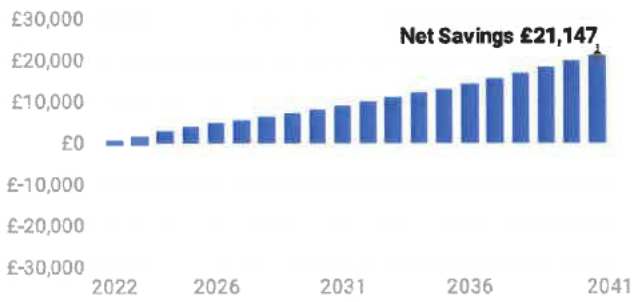
rate 0

£0.45 / day

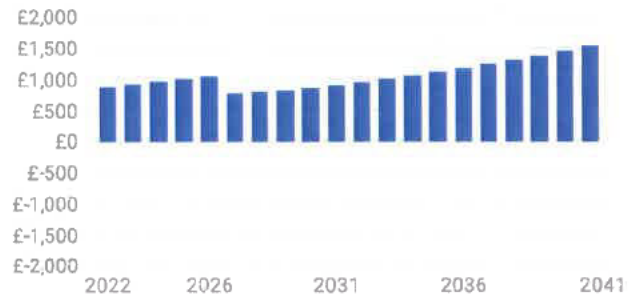
### Net Financial Impact Cash

$$\begin{array}{rclcl}
 \text{£21,147} & - & \text{£0} & = & \text{£21,147} \\
 \text{Utility Bill Savings} & & \text{Net System Cost} & & \text{Estimated Net Savings}
 \end{array}$$

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

18 x JAM54S31-390/MR 390 Watt Panels (JA Solar) 1 x Solis-3P8K-4G (SOLIS - Ningbo Ginlong Technologies) 1 x M48112-S (Alpha ESS Co., Ltd.)	
<b>Total System Price</b>	<b>£0.00</b>
<b>Purchase Price</b>	<b>£0.00</b>

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 21st July 2022.

<b>Signature</b>	_____
<b>Name</b>	_____
<b>Date</b>	_____



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The above statement does not apply to the CEC Approved Retailer (in Australia only) responsible for the sale of the solar PV system.

# Harvest the Sunshine

DEEP BLUE 3.0 Light

Mono

405W MBB  
Half-cell Black Module  
JAM54S31 380-405/MR Series

## Introduction

Assembled with 11BB PERC cells, the half-cell configuration of the modules offers the advantages of higher power output, better temperature-dependent performance, reduced shading effect on the energy generation, lower risk of hot spot, as well as enhanced tolerance for mechanical loading.



Higher output power



Lower LCOE



Less shading and lower resistive loss

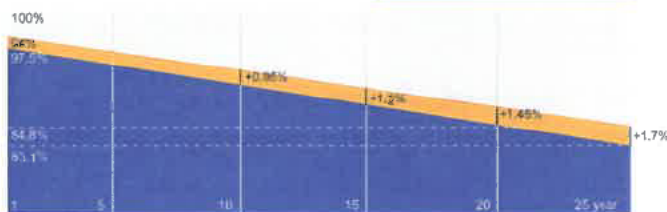


Better mechanical loading tolerance

## Superior Warranty

- 12-year product warranty
- 25-year linear power output warranty

0.55% Annual Degradation  
Over 25 years



■ New linear power warranty ■ Standard module linear power warranty

## Comprehensive Certificates

- IEC 61215, IEC 61730, UL 61215, UL 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems
- IEC TS 62941: 2016 Terrestrial photovoltaic (PV) modules – Guidelines for increased confidence in PV module design qualification and type approval



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