



Square1 Installations Ltd  
32 Jubilee Terrace  
Norwich  
NR1 2HT

Mr Chris Norburn  
11 Nurseries Avenue  
Brundall  
NR13 5NS

Quotation Issued by: Max Faulkner  
Installation address: 2<sup>nd</sup> Brundall Scout Hut  
Ref: SQ0153v1  
Date: 12/12/22

**QUOTATION**

It is our intention to provide you a clear quotation with no hidden charges, unless there are any unforeseen circumstances this will be a fix priced quotation for the Solar PV system. Please find below our quotation for a 7.38kw Solar PV system with 2no. 5kw Pure Drive battery system (10kw Total).

Qty	Kit reference	Description	Price each	Price Total
<b>Capital equipment</b>				
1	SOL-6K-RHI-48ES	Solis Energy Storage 6kW Hybrid 5G + Wifi	£1,328.00	£1,328.00
18	LR5-54HIH-410M	Longi Himo5 – MONO 410Wp White back sheet	£161.00	£2,898.00
2	PD - DC - 5kw - 11	Pure Drive Pure Storage 5kw DC 11 Battery	£2,710.00	£5,420.00
			<b>Sub Total:</b>	<b>£9,646.00</b>
<b>Installation labour</b>				
1	7kw LAB-ROOF	7kw Roof mount labour installation	£900.00	£900.00
1	ELEC-LAB	Electrical installation solar and battery	£650.00	£650.00
1	ACCESS	16m Working paltform to rear 1 x handrail	£1,100.00	£1,100.00
1	WARRANTY INSURANCE	5 year workmanship warranty and MCS Cert	£165.00	£165.00
			<b>Sub Total:</b>	<b>£2,815.00</b>
<b>Installation materials</b>				
1	DC Equipment	DC Components - 7kw	£265.00	£265.00
1	MATERIALS	Installation materials - 7kw	£238.00	£238.00
1	MOUNTING SYSTEM	K2 mounting system	£565.00	£565.00
			<b>Sub Total:</b>	<b>£1,068.00</b>
			<b>Net Total:</b>	<b>£13,529.00</b>
			0% VAT	£0.00
			<b>Grand Total</b>	<b>£13,529.00</b>





**Payment Terms**

<u>Payment 1:</u> 25% Deposit payable on confirmation of order	£3,382.25
<u>Payment 2:</u> 35% Mid-term payment (if required)	£4,735.15
<u>Payment 2:</u> 40% Balance payment	£5,411.60

**This Quotation is valid for 7 days and includes VAT**

Information as to the location of the key components accompanies this quotation, please ensure that you are satisfied with the location of these key components. If you require further information, please contact us.

**Our Prediction of the Performance of the Proposed System**

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 and is given as guidance only. It should not be considered as a guarantee of performance. This is the figure used in your cash flow forecast.

By using this procedure, we have estimated that the system proposed would produce:

**6,804 Kilowatt hours**



**Optional Extras**

**Bird protection** – Stop birds from nesting under your array, prices start at £490 fitted, if installed at the same time as your array is installed on the roof.

**Immersion energy diversion system** – Send excess energy to your HWT immersion, prices from £300.00, if fitted at the same time and the main system. OUT OF STOCK



### **Additional Information**

#### **Costing**

This quotation has been based on us being able to install your system as described without interruption. Should there be circumstances beyond our control, which cause an interruption to the installation process, we will discuss with you the implications of such a delay.

Should you wish to make any changes to the agreed installation after the cancellation period has expired, we will prepare a new quotation for you, but we reserve the right to charge for any reasonable costs we have incurred in working towards the original installation details.

If, during the installation 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.

Should you request any changes after the installation process has begun that involve additional cost we will provide you with a quotation based on the daily or hourly rate of our installers. The rate that would apply would be £35 per hour or £300 per day.

#### **Contract Terms**

We have enclosed a copy of our contract with this quotation. Please read this carefully, and as always, please contact us if you require further clarification.

#### **Timetable for Works**

If you decide to accept our quotation, we will contact you and arrange a mutually agreeable date to begin the installation. We will confirm this with you in writing. It usually takes us 3 days to carry out an installation, including the erection and removal of scaffolding. Your installation will usually take place within 4 weeks of receiving your order, subject to workload and availability of materials. We will contact you at the earliest opportunity should there be any delay in obtaining the goods or services required.

#### **Cancellation Rights**

Your cancellation rights will vary depending on whether the contract you agree with us is signed on our trade premises or in your own home.

For contracts signed on trade premises you will be given a fourteen day cooling off period.

For contracts signed in the home, your cancellation rights are as set out in the Consumer Contracts (Information, Cancellation and Additional Charges) Regulations. These regulations give you the right to cancel the contract within fourteen days of delivery of the goods.



If you wish us to begin work within the cancellation period you must give us express permission, in writing, to do so.

You can find full details of your cancellation rights within the contract we will ask you to sign and also on the cancellation form we will issue to you.

### **Important Notes Concerning this Quotation**

#### **Deposits and Advance Payments**

We will never ask for more than a 25% deposit including VAT on signing of the contract. If we require you to make any advance payments, these will be documented on the quotation form with the dates that they are due to us. These advance payments will never, when added to the deposit exceed 60% of the total agreed contracted price. We will not ask for any advance payments more than 21 days from the agreed delivery or installation date.

Any deposit or advance payment you have made to us, or will make to us according to the timescales set out in the quotation, will be placed in a "Client Bank Account". These deposits and advance payments can only be used to carry out work under this contract.

Should we cease trading because of receivership, administration or bankruptcy the monies in that bank account will be returned to you or will be given to another MCS Approved Contractor to complete the work.

We are required under the Renewable Energy Consumer Code to also protect these deposits and advance payments with an insurance policy. We will give to you the name and contact details of this insurance company with the quotation. You will be entitled to claim on this policy should we fall into receivership, bankruptcy or administration. Insurance policy details will be sent to you. If you do not wish to register these details please inform us.

#### **Planning Considerations**

Planning permission may be needed if the property where the installation is to take place is within a Conservation Area, National Park or an Area of Outstanding Beauty. If the property is a Listed Building you should assume that planning consent would be required. In any of these circumstances we would strongly suggest you contact your local planning authority.

Whilst we will assist you in gaining any particular permission, it will be your responsibility to ensure these permissions are in place. We cannot be held responsible for any installations carried out where planning permission was required but not obtained and no refunds will be offered.



**Structural Issues**

The Microgeneration Certification Scheme says that if we are any doubt as to the structural suitability of the building then a structural engineer should be consulted. From our part, we will assess the suitability and will only install if we feel the structure is suitable. If we are in any doubt we will liaise with you with a view to consulting a suitably qualified person. Dependent on the circumstances, this will either be at our or your expense. I have carried out a desk top Structural Survey which calculated the following results:

**Weight loading calculations**

**Roof 1**

Dead load from roof covering	0.12 kN/m <sup>2</sup>
Imposed load	0.75 kN/m <sup>2</sup>
<b>Total loading without solar array</b>	<b>0.87 kN/m<sup>2</sup></b>

Weight of solar panels and mounting	385.7 kg
Area covered by solar array	34.6 m <sup>2</sup>
Loading imposed by solar array	0.11 kN/m <sup>2</sup>
<b>Total loading with solar array</b>	<b>1 kN/m<sup>2</sup></b>

**Increase in loading  
due to solar array: 12.6%**

An increase of less than 15% in the load imposed on a roof is not considered to be a significant change (The Building Regulations 2010, Approved Document A).



**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. Information about you may be passed to the Renewable Energy Consumer Code administrator and its auditors as part of the Code administrator's monitoring of their compliance with the Code. The Code administrator may contact you directly.

**Sub Contracting installation Works (if applicable)**

We may subcontract the electrical installation. In accordance with the Renewable Energy Consumer Code, **we** are responsible for ensuring that all sub-contracted works are carried out to standards required by MCS and RECC.





### **Guarantees**

Your equipment is guaranteed by its manufacturer but you should contact us in the first instance if anything appears to be wrong. The guarantees are 10 years for solar panels and 5 years for the inverter.

Should we cause any damage, either to installed equipment or to your property we will rectify such damage without charge to you.

We guarantee our workmanship for 5 years from date of install (RECC insists on a minimum of 2 years' Workmanship Warranty). This workmanship warranty will be transferable to the new legal owner of the property if it is sold during the warranty period.

As members of RECC we are required to ensure that should we cease trading, due to receivership, administration or bankruptcy, that this warranty will still be honoured.

Providing you give us permission to do so, we will register your contract under the RECC Deposit and Workmanship Warranty Insurance Scheme. An insurance provider will insure this workmanship guarantee. The insurance provider will send the policy documents direct to you. This policy will be at no additional cost to you.

### **Insurance**

It is recommended that you inform your property insurers about the proposed installation to check if it will increase your buildings insurance premium.

As members of RECC, we must have appropriate insurance to cover possible third-party damage, which may be caused by any of our activities in supplying a small-scale energy generator to you.

### **Commissioning the system**

The Solar PV system will be commissioned according to MCS installation standards to ensure that the system is safe, has been installed in accordance with documented procedures and manufacturer's requirements and is operating correctly in accordance with the system design. We will also make any required Building Control notifications and you will be forwarded the documentation within 30 days.

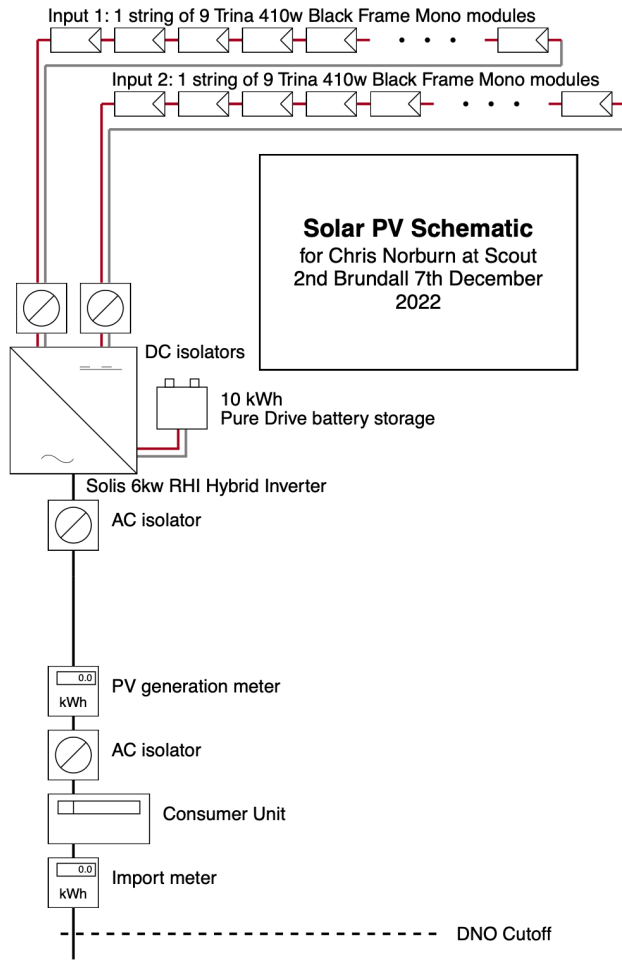
Following the testing and commissioning of the system, a detailed operating manual will be provided to you within 14 days.

### **Registering for Export Tariffs**

You can sell any excess generation back to your energy provider. Payments per KW are different depending on your supplier. For the cash flow calculation we have used an average of 5.2p per KW exported.



SLD Layout



System Performance Summary

	<b>Consumption</b> Electricity consumed in the property each year	2000 kWh		<b>Generation</b> Electricity generated by the PV array each year	6826 kWh
	<b>Self consumption</b> Proportion of PV generation used in the property	27 %		<b>Independence</b> Proportion of electricity consumption provided by PV	90 %
	<b>Import / Export</b> Electricity import / export each year from the property	198 / 4919 kWh		<b>Utilisation</b> Average daily utilisation of the storage battery	26 %



**After Sales Support and Maintenance**

If, following installation, the system does not appear to be operating correctly please refer to the operating instructions. We will explain to you, at the handover stage, the safe operation of the system.

If you are still in doubt as to any aspect of the systems operation please contact us.

We will issue to you at Handover information as to shading and maintenance.

We can, should you require it, provide servicing and/or maintenance contracts at additional cost.

**If You Wish to Accept the Quotation**

If you wish to accept the quotation please read the Contract carefully. If you are happy with the terms of the Contract, please complete the order form and return it to us together with your deposit payment if we have requested one. We will then contact you to arrange the date for the installation.

Metering will be required in order for you to obtain financial incentives (Export tariff)

**RECC and the Renewable Energy Consumer Code**

We are registered members of RECC, this document is prepared in accordance with its Renewable Energy Consumer Code.

A leaflet describing the Renewable Energy Consumer Code is enclosed with this quotation. The Code can be viewed in full at <http://www.recc.org.uk/scheme/consumer-code>







**Predicted System Performance**

The Microgeneration Certification Scheme sets out how an estimate of system performance must be arrived at. This is known as the standard MCS procedure. Whenever a quotation is issued, it is a requirement that we also issue the following “disclaimer”:

**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 and is given as guidance only. It should not be considered as a guarantee of performance.**

**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**

We have established that the system will be subject to some shading; therefore we are required to issue you with the following disclaimer:

**This shade assessment has been undertaken using the standard MCS procedure – it is estimated that this method will yield results within 10% of the actual energy yield for most systems.**

<b>A. Installation Data</b>	
Installed capacity of PV system – kWp	<b>7.38KWp</b>
Orientation of the PV System – degrees from South String 1	<b>5 °</b>
Orientation of the PV System – degrees from South String 2	<b>5 °</b>
Inclination of system – degrees from horizontal	<b>20 °</b>
Postcode region	<b>12</b>
<b>B. Calculations</b>	
Kwh/kwp (kk)	<b>922</b>
Shade Factor (SF)	<b>0.1</b>
Estimated annual output (Kwp x Kk x SF)	<b>6,804</b>



ORDER FORM

Customer Name Mr Chris Norburn
Site Address 2nd Brundall Scout Hut
Reference Number SQ0153v1
Date of Quotation 12th December 2022

Table with 5 columns: Qty, Kit reference, Description, Price each, Price Total. It lists items under three categories: Capital equipment, Installation labour, and Installation materials, with sub-totals and a final Grand Total of £13,529.00.

To accept the Quotation please sign and return this final page to us.

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

We/I agree to the total cost and payment terms set out above and that only once the final balance has been paid in full, will Square1 installations issue the handover pack with all the relevant documents.

We/I have read and agree to abide by the terms and conditions of the Contract provided with the Quotation.

Planning Permission Confirmation: By signing this Order Form, you are confirming that you have received Planning Permission or a Building Warrant for the proposed installation, or ascertained that these are not required.

Signature form with fields for Name, Date, and Signature.



**Notes:**