



Domestic Solar Proposal

For : 5 Upper Brook Cottages,

Project Name : 5 Upper Brook Cottages 6.72KWp Ground Mount Solar

Client : Mr Trevor Broom

Date : 30/10/2023

Quote No : Q9525

Address : Stockbridge, SO20 6QR

Empower Energy Limited
8 Pintail Business Park
165 Christchurch Road
Ringwood
Hampshire
BH24 3AL

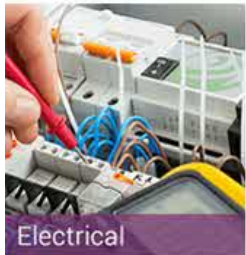
Telephone : 01425 461 461
Web : empowerenergy.co.uk
Email : info@empowerenergy.co.uk

Company Overview: The Company has been operating as an electrical Engineering company for twenty years and as of 2010 Empower became Empower Energy Limited offering a wide range of renewables and energy efficiency measures such as Solar PV, LED lighting & De-stratification systems. Empower have installed in excess of 40MW of solar PV Systems to date. Our knowledgeable staff and in-house CAD design team are committed to ensuring that our clients needs are met, and we offer full 3D modelling, system integration and an attention to detail that sets us apart from the competition.

Our Mission: To be leaders in sustainability and help inspire our clients to innovate and lead the way to an environmentally and economically favourable future.

Core Business:

- ⊞ Domestic Solar PV Systems
- ⊞ Energy Storage Battery Solutions
- ⊞ LED Lighting Specialists
- ⊞ Electric Vehicle Charging Points
- ⊞ Electrical Engineering
- ⊞ Domestic Solar Maintenance
- ⊞ Destratification Systems



Accreditations & Memberships

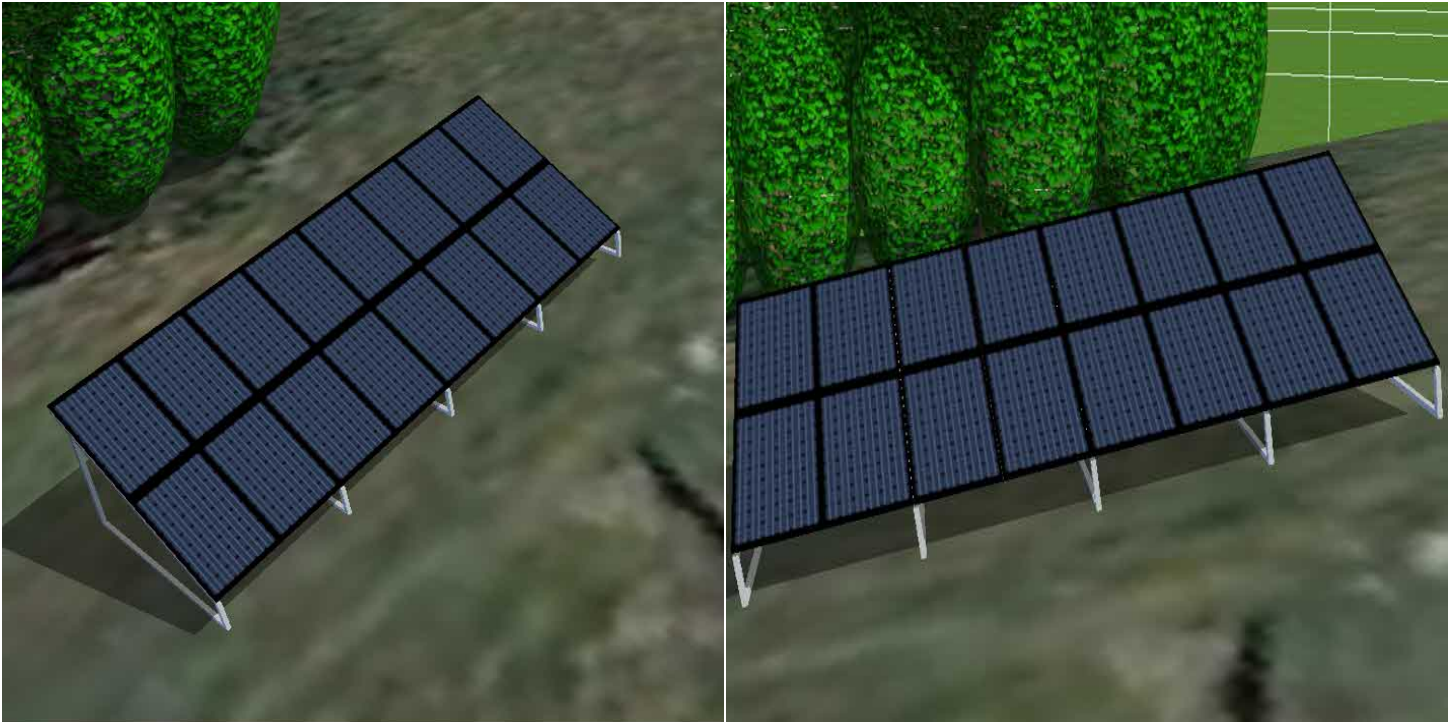


Your Project Overview

Empower Energy Limited are pleased to provide your domestic solar PV proposal for **5 Upper Brook Cottages**. We have designed your system to maximize on-site solar generation of renewable power. Empower Energy over the past ten years have significant experience installing domestic solar installations, from the initial design work through to final designs, installations, commissioning and handover.

Site Appraisal: CAD Design Work 5 Upper Brook Cottages 6.72KWp Ground Mount Solar

Inverter : SolarEdge - SE-3680H-APP x 1
Panels : Jinko Solar - JKM420N-54HL4-B x 16
Optimisers : SolarEdge - S440-MC4 x 16
Mounting Type : Sunfixings Park Tegra





Financial Summary

System Performance 6.72 KWp

1st Year Generation PV Power	6621 KWh	1st Year Electricity Bill Savings	██████████
1st Year Export Income	██████████	20 Year Energy Savings	██████████
Consumption	60%	Energy Inflation	2.50%
Export @ £0.15	40%	Module Degradation	0.80%
Rate Per kWh	██████████	I.R.R	15.85%
Co2 Reductions	3685 KG / Year		

<p>0% Renewable rate VAT</p> <p>(Scaffolding Excluded)</p> <p>Our quotation is valid for 30 days and VAT and scaffolding provision is noted in the box above Your Quote Includes Your Contribution</p>	<p>██████████</p>	<p>Empower Energy Hardship Fund</p> <p>Helping families during the cost of living crisis 1% (optional up to 5%) or you can opt out just let us know.</p> <p>Your Contribution ██████████ Empower Matched Contribution ██████████ Total Contribution ██████████</p>
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Year	Generation kWh	Electricity	Electricity Savings	Export	Export Payment	Gross	Balance
1	6621	£0.320	██████████	£0.15	██████████	██████████	██████████
2	6568	£0.328	██████████	£0.15	██████████	██████████	██████████
3	6515	£0.336	██████████	£0.16	██████████	██████████	██████████
4	6463	£0.345	██████████	£0.16	██████████	██████████	██████████
5	6411	£0.353	██████████	£0.17	██████████	██████████	██████████
6	6360	£0.362	██████████	£0.17	██████████	██████████	██████████
7	6309	£0.371	██████████	£0.17	██████████	██████████	██████████
8	6259	£0.380	██████████	£0.18	██████████	██████████	██████████
9	6209	£0.390	██████████	£0.18	██████████	██████████	██████████
10	6159	£0.400	██████████	£0.19	██████████	██████████	██████████
11	6110	£0.410	██████████	£0.19	██████████	██████████	██████████
12	6061	£0.420	██████████	£0.20	██████████	██████████	██████████
13	6013	£0.430	██████████	£0.20	██████████	██████████	██████████
14	5965	£0.441	██████████	£0.21	██████████	██████████	██████████
15	5917	£0.452	██████████	£0.21	██████████	██████████	██████████
16	5870	£0.463	██████████	£0.22	██████████	██████████	██████████
17	5823	£0.475	██████████	£0.22	██████████	██████████	██████████
18	5776	£0.487	██████████	£0.23	██████████	██████████	██████████
19	5730	£0.499	██████████	£0.23	██████████	██████████	██████████
20	5684	£0.512	██████████	£0.24	██████████	██████████	██████████

Schedule Of Works

Items	Description	Included	Additional
Electrical Design	CAD design work	✓	
Modules	Supply & Installation	✓	
Inverters	Supply & Installation	✓	
Mounting System	Supply & Installation	✓	
DC Electrical	Supply & Installation	✓	
AC Electrical	Supply & Installation	✓	
Earthing, Testing & Commissioning	Earthing, supplementary bonding and completed installation certified to 18th edition BS7671 2018	✓	
Metering	Generation Meter	✓	
Local Distribution	Supply & installation of switchgear and PV distribution	✓	
Connection	Connection to distribution network (Cost application costs to be confirmed by DNO)	✓	
Planning & Consents	Work outside of permitted development may require additional planning costs		✓
Welfare	Facilities to be provided by Client		✓
Storage	Storage to be provided by Client	✓	
Documentation	Commissioning/Handover & O&M documentation	✓	
Structural	Structural Survey	✓	

Special Terms

Additional Works

Should any additional work be required beyond the scope of this Quotation, please note that our standard labour rates are as follows : ██████ Per Hour

Our quotation is valid for 30 days and is subject to a review at the point of order.

Payment Terms

25% Deposit on order / 75% on completion of job

Product Warranties

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 minimum 10 years for solar panels - please consult panel datasheet & 12 years for inverter warranty

Terms Of Business

For your reference, we enclose a copy of Empower Energy's terms and conditions with this quote.

Our Mission:

To offer expert advice on all aspects of renewable energy
To install high quality systems efficiently, cost effectively and in accordance with best practice
To play our part in working towards a low-carbon future

Company Accreditations:

RECC - 00039933
Safe Contractor - BV1759
CHAS - 120061
MCS - NIC1476
NICEIC - 601741000
ISO 14001:2015 - 203135
ISO 9001:2015 - 221111
GDGC - QAS811WCY

Insurance:

Public Liability - £10 million
Employers Liability - £10 million
Professional Indemnity - £500,000

Competence Of Labour

CSCS (construction skills certification scheme)
IPAF (international powered access federation)
Working at Heights (including harness training)

The Renewable Energy Consumer Code

The aim of the Consumer Code is to guarantee a high quality experience for consumers wishing to buy or lease small-scale energy generation systems for their homes. The Code is backed by the Trading Standards Institute (TSI) as part of a self-regulation initiative: the Consumer Codes Approval Scheme. Members of RECC agree to comply with the Code. See www.recc.org.uk for more information.

The Microgeneration Certification Scheme

MCS membership demonstrates compliance to industry standards that companies strive to meet. Membership highlights to consumers that companies are able to consistently install to the highest quality every time.

1. ACCEPTANCE OF PROPOSAL

1.1 The Quotation is valid for a period of 30 days from the date indicated. If you wish to proceed then you must sign both copies of this Contract, return one of these to our address and keep the other for your records. No contract is in place until we send an acknowledgement of the order to you.

1.2 Please read these terms carefully before signing them. If you need any explanations about them please contact us using the address or telephone number provided.

1.3 This agreement is governed by English law and the English courts or by the law and the courts governing where your property is if this is outside England or Wales.

Your Right to Cancel (See Section 9 below for more on your cancellation rights)

1.4 You have the right to cancel this contract without penalty during the 'cancellation period' without giving any reason. Your cancellation period will last for 14 after you sign this contract.

1.5 To cancel this contract you must inform us of your decision by a clear statement by letter sent by post, fax or email Empower Energy Limited. You can also use the attached cancellation form, but this is not obligatory. Any advanced payments you have made will be returned to you. If you want to cancel this contract after the Cancellation Period for any reason then you may have to pay costs and we may retain all or part of your deposit and further advanced payments, if made, as a contribution. See paragraph 9.1.1 for more on this.

2. Our MAIN OBLIGATION to you is to do the work with all reasonable skill and care according to the standards set by the Microgeneration Certification Scheme (MCS) and according to the timetable set out in the Quote. Under the MCS scheme, only certified companies can enter into a contract with a customer for the sale and installation of a system. Our MCS Certification number is: 00039933

2.1 We agree to carry out the work with all reasonable skill and care in the planning, installation and commissioning of the system described in the Quotation. The goods we supply will be of satisfactory quality, be fit for purpose; and operate as we

described to you.

2.1.1 We will inform you in writing of the name of any contractor engaged by us to undertake the installation of your system and we will take full responsibility for their work and their compliance with the Consumer Code.

The Timetable

2.2 We agree to supply the goods and carry out the installation work as specified in the timetable that we have agreed with you and which is set out in the Quotation. Your acceptance of these terms indicates that you agree to proceed using that timetable.

2.2.1 We will make every effort to complete the work by the time agreed with you. You must appreciate, however, that sometimes delays may occur for reasons beyond our control. Such reasons may include, for example, severe weather. We cannot be held responsible for those delays.

2.2.2 If such delays occur we will tell you as soon as possible and we will adjust the timetable by written agreement.

2.2.3 In the case of severe delays to the delivery of goods then you may be offered different products of equivalent specification, value and quality, so long as they are MCS certified. You can either accept that offer, wait for the products you ordered or choose to cancel the contract as detailed in section 9.2 and 9.3 below. This is in line with the Consumer Code and the [Supply of Goods and Services Act 1982].

Consequence of delay

Consequence of delay caused by us

2.2.4 You will be entitled to compensation if we cause significant or unreasonable delay due to factors within our control. 2.2.5 In the case of severe delays to the delivery of goods or installation for reason that are within our control then you can cancel the contract as detailed in section 9.2 and 9.3 of this Contract.

Consequences of delay caused by you

2.2.6 We will seek to accommodate small delays without recourse to compensation.

2.2.7 If any delay caused by you means that we incur extra costs then we will adjust the price accordingly. The hourly and daily costs that result from any unexpected work are described in the quote.

3. OUR OTHER OBLIGATIONS

3.1 We will carry out the work and all communication with you according to the Consumer Code.

3.2 We will ensure that the installation complies with the relevant MCS installer standard.

3.3 Once the installed system is commissioned we will give to you any guarantees, test certificates and other relevant paperwork related to your goods and installation. We will aim to give you this when the system is commissioned but certainly no later than seven days after commissioning.

3.4 We will also give you all of the documentation required as detailed in the appropriate Microgeneration Installation Standard. If it is a requirement of the appropriate MIS installer standard, this will include the certificate showing that the installation has been registered with the MCS Installation Database. We will give you this within 10 working days of the commissioning date.

3.5 The guarantees we give you will cover the goods and installation and will comply with the Consumer Code. We will explain to you the terms of the guarantees both in writing and verbally.

3.6 We will ensure that the guarantees will be honoured should we fall into receivership, administration or bankruptcy during the term of the installer's guarantee. Please see Section 8 of this contract for details.

4. Your MAIN OBLIGATION to us is to make the payments due to us

The Deposit

4.1 You will pay us the deposit specified in the Quotation when you sign this agreement. The deposit cannot be more than 25% of the total contract price set out in the Quotation. Should you decide to cancel the contract within the 'Cancellation Period' (see section 1.3 of this Contract) we will return that deposit to you in full.

4.1.1 If you pay the deposit before we have inspected your house, and if we find during that inspection that the installation cannot proceed, then we will refund that deposit to you in full within two weeks.

Advance payments

4.2 The Quotation we have given to you must explain when invoices will be sent and the amount due for each payment.

4.3 We may require you to pay a further advance payment no more than three weeks before the agreed delivery or installation date but only if this is explained to you in your quotation. This further advance payment will only be used for work under this contract, for example for purchasing goods.

- if we do not deliver any goods to you before installation then such a further advance payment, taken together with the deposit, will under no circumstances be more than 60% of the total price in the Quotation.

we may use your further advance payment to purchase goods and deliver them to you. If we do this, and only if title to those goods transfers to you, the sum used to purchase those specific goods will no longer represent an advance payment.

4.4 If we fall into receivership, administration or bankruptcy your deposit and advance payment, if any, will be protected as

detailed in section 8 of this Contract.

Final Payment

4.5 We will issue you with an invoice for the balance outstanding on the contract price. This will become due only after the installation has been commissioned.

4.5.1 In the event of any alleged minor defect with the goods or installation, then you shall not be entitled to withhold more than a proportionate amount of the sum due. If you do withhold any amount after the due date because of any alleged minor defect, then you must give us as much notice as possible and state the reasons you are withholding the payment.

Consequences of late payment 4.6 If you fail to pay the amount specified in an invoice by the due date then we may charge interest until the full amount is paid. The interest rate we charge will be 3% above the base rate set by the Bank of England.

Late payment of advance or 'interim' payments 4.6.1 If we do not receive payment by the seventh day after payment is due, then we may give you written notice that we intend to stop work on the installation. Once we have sent you this written notice, we may suspend all work until payment is made.

4.6.2 If you are in breach of this Contract because you have failed to make an agreed payment, and we have suspended work on the installation, then we may be entitled to recover any additional costs we incur. We will provide you with written notice containing full particulars of any claim for compensation within 21 days of any suspension of work.

4.6.3 We may require you to return and deliver up the goods to us. Failing this we will take legal proceedings to recover the goods or their outstanding value.

5. YOUR OTHER OBLIGATIONS TO US

5.1 We will advise you on the approvals and permissions that you may need but you must obtain all relevant permissions (such as planning and building consents) that are necessary before we start work on the installation. If we ask to see those permissions (and related drawings and/or specifications) you must make those available.

Supply of services

5.2 You must provide the following for our use free of any charge: water, washing facilities and toilets; electricity supply; adequate storage space; safe and easy access to your property from the public highway; easy access to the location within the property where the installation is to take place by removing all belongings.

5.3 You, or a contractor you employ, may need to carry out preparatory work before the installation described in the Quotation can start. If so, we will describe this to you in writing. This work must be finished before the agreed date on which installation work is due to start. This work must be undertaken by competent persons and must be of the necessary quality for the installation. If this preparatory work is not finished before the agreed date on which the installation is due to start, then the conditions described in clause 2.2.7 of this Contract will apply.

Additional charges

5.4 Should you be in breach of conditions set out in 4.1, 4.2 and 4.3 of this Contract you may incur additional costs due to delay and/or provision of additional services. You may be required to pay reasonable compensation to cover those extra costs. If this happens then section 7 (below) of this Contract will apply.

6 CHANGE OF WORK

6.1 If, after signing the contract, you want to change the work, you must consult with us first. We may be able to incorporate your changes into the installation provided that:
it is technically possible;
we have the necessary resources;
the necessary permissions are in place.

6.2 If we agree to this change of work you must confirm your request in writing; and, do so within 14 days of when you first tell us.

6.3 We will then adjust the price:

by written agreement beforehand, if possible; or if not then
by later written agreement; or if not then
by referring to any priced documents, if this applies; or if not then
by a reasonable amount for the work done or goods supplied.

6.4 Every change that means extra or revised work (as opposed to changes that leave something out) may mean extra costs. We will try to keep those costs to a minimum.

6.5 If, in the final design we present to you, the main Energy Generator differs from what we describe in the quotation, we will draw this to your attention in writing and you will be able to cancel the contract as detailed in clause 9.4.

7 UNEXPECTED WORK

7.1 The Quotation given to you details the hourly or daily costs that would result from any unexpected work due to site conditions or special circumstances beyond the control of the member.

7.2 Where unexpected work arises, we will tell you and ask how you want us to proceed. If you want us to continue then section 6.3 of this Contract will apply.

8. DELIVERY, TITLE AND RISK and WORKMANSHIP WARRANTY

8.1 We will deliver the goods to the location detailed in the Quotation.

8.2 In case we fall into receivership, administration or bankruptcy before we deliver the goods to you we will insure the money you pay us in advance. We will also ensure that our guarantees will be honoured should we fall into receivership, administration or bankruptcy during the term of the installer's guarantee. We may do this through RECC's Deposit and Workmanship Warranty Insurance (DAWWI) scheme or an equivalent scheme.

8.3 We will provide you with details of the insurance scheme we use and you will receive a policy directly from the provider once you have signed the Contract.

The Client Account

8.4.1 If we should fall into receivership, administration or bankruptcy then the money in that dedicated bank account (or held within the protected payment scheme) will be returned to you or passed to another supplier who will complete the work.

8.5 Where your money has been used to make specific purchases on your behalf, then legal title to those goods, or the proportion of them you have paid for, will pass to you. We must either deliver them to you or label them as belonging to you. Where we store the goods then we must keep them separate from our own goods and those of third parties. We must also keep the goods stored, protected, insured and identified as your property until they are delivered to you. You must be able to inspect the goods and/or repossess them.

8.6 Goods belonging to us may be delivered to the site. If the contract is terminated early for reasons detailed in section 9.3 of this Contract then, with reasonable notice, you must return and deliver the goods to us. If this happens then we will reimburse you if any of your money was used to purchase a proportion of the goods. If you do not return the goods to us, we retain the right to take legal proceedings to recover the goods or their value.

8.6.1 If the Contract is terminated early for reasons detailed under section 9.4 of this Contract then, with reasonable notice, you must return and deliver the goods to us. If this happens you may have to pay compensation for reasonable costs or losses reasonably incurred. This may be deducted from any deposit or further advance payment you have already made.

8.7 Until ownership of the goods passes to you, you must:

store the goods separately in such a way that they remain readily identifiable as our property;
not destroy, deface or obscure any identifying mark or packaging on or relating to the goods; and,
maintain the goods in a satisfactory condition.

9 CONTRACT CANCELLATION

Your rights

9.1 Your rights to a cancellation period are detailed in sections 1.4 and 1.5 of this contract.

9.1.1 If you cancel this Contract after the period referred to in sections 1.4 of this Contract then you may have to pay compensation for costs or losses reasonably incurred. We will try to keep those costs to a minimum. We have a right to retain all or part of your deposit and further advance payment, if made, as a contribution.

9.1.2 If you want the work to start during the cancellation period referred to in section 1.4 then you must request this in writing and sign the request. If we start the work on the installation and you later decide to cancel the contract within the cancellation period described in section 1.4 then you may be responsible for the costs of the goods and services already supplied and for making good the property.

9.2 If there is a serious delay to the delivery of goods or installation for reasons that are outside your control then you will be entitled to cancel the contract and receive a full refund. This is in line with the Consumer Code and the [Supply of Goods and Services Act 1982].

9.3 Additionally, if we are in serious breach of our obligations as detailed in this Contract then you have a right to:

cancel the contract and receive an appropriate refund; or,
request a repair or a replacement; or,
ask for compensation.

You can seek those remedies if what we supply or install is faulty, incorrectly described or not fit for purpose. You cannot seek those remedies if you change your mind about the contract or you decide you no longer want some or all of the components.

Our rights 9.4 As detailed in 6.5 above, you will be able to cancel the contract (and have any deposit or advance payment refunded) if, in the final design we present to you, the main Energy Generator differs from what we describe in the quotation.

9.5 If you are in serious breach of your obligations as set out in this Contract and you fail to remedy that breach within 14 days of receiving written notice from us about that breach, then we have a right to cancel the contract. We must give you reasonable opportunity to put right the alleged breach.

9.6 If we suffer a loss as a result of your breach of contract, we will take reasonable steps to prevent the loss from getting

worse. If your breach of contract leads to a cancellation then you may have to pay compensation for reasonable costs or losses reasonably incurred.

10 DISPUTE RESOLUTION

10.1 If at any time a dispute arises between you and us that cannot be resolved you can refer the matter to be handled through RECC's dispute resolution procedure provided it falls within their remit, which is disputes relating to the sale and installation of domestic renewable energy systems. We must agree to follow this procedure if that is your wish. RECC is certified through the Chartered Trading Standards Institute as an Alternative Dispute Resolution provider. You can find further information on the RECC website www.recc.org.uk/consumers/how-to-complain

10.2 If you register a dispute with RECC it will be allocated to a caseworker, who will mediate between both parties in an attempt to resolve the dispute. Mediation aims to reach a non-legal solution to the dispute in a reasonable timescale.

10.3 If an agreement is not reached through mediation for any reason, you can refer the matter to RECC's independent arbitration service and we must agree to arbitration if that is your wish. You would have to pay a small fee directly to the arbitration provider, which may be refunded to you if the arbitrator finds in your favour.

10.4 An award made under the independent arbitration service will be final and legally binding on you and us. You and we may only challenge the award on certain limited grounds under the Arbitration Act 1996.

10.5 Disputes that relate to the MCS Installer Standards can be referred to our MCS Certification Body. Their contact details are as follows:

Empower Energy Limited
8 Pintail Business Park
165 Christchurch Road
Ringwood
Hampshire
BH24 3AL
Telephone : 01425 461 461

Email : info@empowerenergy.co.uk

Empower Maintenance Programme (Optional)

Solar PV systems require maintenance to ensure maximum output efficiency over their lifetime. Maintaining your solar system will increase your energy production. Our professional teams perform full electrical testing and generation calculations. With regular visits, we will ensure your system is performing to 100% of its capability and maximising your returns. Should issue arises, we can react quickly resolving the problem and provide you with continued energy savings. Our expert teams can install replacement parts under warranty and even provide upgraded products with greater benefits to you.

Planned Maintenance programme – We carry out site inspections, safety tests and capacity tests all year round, and include a fully annual inspection to keep your system running well and give you peace of mind. Unlike most solar maintenance programmes, we also include an annual clean of your system as standard. Performance and safety are paramount.

Remote Monitoring – When installing SolarEdge systems Empower offer a FREE daily monitoring service and diagnostic check of your solar system performance from our head office. Should any issues arise Empower can generally diagnose these online and provide reactive support where it is required. We will undertake any warranty claims on your behalf.

Maintenance Program Pricing - 5 Upper Brook Cottages, (Optional)

We also offer a maintenance contract on our installations, including electrical testing and panel clean*. If you would like to find out more about this, please let us know and we will get our maintenance team to send you more details

Maintenance Disclaimer - Excludes Access & Scaffolding



Case Study : St. Ledgers Road



Bournemouth

Site Description

Multi-directional facets; partial shading on each surface

Installation Retrofit Date

12/02/2016

Installation Capacity

4.14 KWp

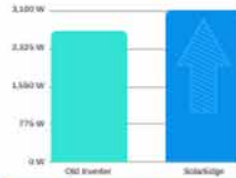
Installation Capacity

1 string = 18 modules using one SolarEdge inverter SE4KW and 18 optimisers P300

15%
Energy
Yield
Increase



RETROFIT SOLUTION



COMPARATIVE ENERGY FIRST YEAR

solar edge
architects of energy™

In 2016, Mr Monkhouse decided to retrofit his PV system with Empower Energy Ltd using SolarEdge technology after he realised that his PV system was producing less than the forecasted output expectations.

The PV system was installed with one SolarEdge inverter SE4KW and 18 power optimisers, each power optimiser allowing every module to generate maximum energy using Module-level MPP tracking.

The power optimisers were included with 25 year warranty and an inverter warranty of 20 years to last until the end of the FIT period.



Enhance your green credentials



Save you £1000s every year



Protect against rising fuel costs

In a market often associated with pushy sales people and poor customer care, our attention to detail and honest approach constantly reinforces our good reputation.

If you would like more information on how to become more energy efficient or would like to book a free, no-obligation survey to find out how much you could save then please get in touch.

✉ info@empowerenergy.co.uk

☎ 01202 821 000

TOMORROW'S GENERATION TODAY

Why Would You Consider Solar ?:

- Ⓒ Protect your home from future energy costs.
- Ⓒ Help to reduce your carbon emissions.
- Ⓒ Reduce your dependence on grid power.
- Ⓒ Low maintenance costs.

Thank You And We Look Forward To Hearing From You

NATIONWIDE: Sales, Service, Maintenance

Contact Us On 01425 461 461
 Sales : info@empowerenergy.co.uk
 Web : empowerenergy.co.uk
 Your Contact : Rob Mays
 Email : rob.mays@empowerenergy.co.uk