

24/04/2020

John Pearce
Avant Homes Central
C3 & C4 Holmewood Business Park
Chesterfield
Derbyshire
S42 5US

eco₂solar

Eco2Solar Limited
Andrew.smith@eco2solar.co.uk
www.eco2solar.co.uk
01562 745265
07983 554790

Dear John

RE: Moorthorpe Way, Owlthorpe, Sheffield

Thank you for allowing us the opportunity to provide a quotation for the installation of the PV systems for your Development at Moorthorpe Way, Owlthorpe. As group deal installers for Barratt, Persimmon, Linden, Countryside and Redrow Homes we would greatly appreciate the opportunity to work with you on this Development.

I have provided a quotation for an In Roof system as per the specification.

I have provided a picture of the proposed systems on the following pages.

Project Specifics

In Roof

We would install a roof integrated system at felt/batten stage, leaving the roofing contractors to complete the roof works. We will provide all side and top/bottom flashings within our proposal; however, it is the roofing contractor's responsibility to dress/stick down the bottom flashing and side soak strips when completing their tiling works. A full demonstration and document will be forwarded to show this straight forward process. We would meet your site manager, roofing contractor and technical managers on site before work starts to ensure that all parties are happy with the process and programming.

From the drawings provided we estimate that the system will fit in the space provided, but we will need full AutoCAD drawings to confirm.

We will install the inverters within the Loft Space. **If the inverter is to be installed more than 20M away from the PV panels or on a separate floor (other than loft space) then we will need to update our quotation as additional protection will be needed and the DC cables will need to be installed at 1st fix stage.**

We will require adequate wall space and a solid structure to fix the inverter to. *We will also require a 1m x 2m landing deck/platform next to the loft hatch to allow our operatives to carry out the works safely if the inverter is to be mounted in the loft.*

I have assumed that the electrical contractor will run a suitably rated AC cable from the inverter location down to the consumer unit or distribution board together with a shielded 4 pair CAT 5 cable from the inverter location down to the utility meter/DNO cut-out.

Both cables will require 4m of slack at either end ready for us to connect the system with 4m of slack at either end ready for us to connect the system. The electrical contractor is also responsible for providing the spare MCB within the consumer unit.



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In some parts of the UK there are DNO/Grid restrictions, in Scotland and other parts of the UK, you may be enforced by the DNO to install Export Limitation devices to restrict the export of the PV arrays in order to prevent significant upgrade works being required by the Grid to allow connection of the PV systems.

Although the CAT5 cable is not mandatory, it may save you money on DNO upgrade work costs should they come back with any restrictions for connections to the Grid.

The export limitation devices are not included within our proposal and are quoted separately.

We will need full AutoCAD drawings to confirm that our designs would fit on the space provided.

For apartment or commercial systems, we have assumed one connection to the landlord supply, rather than individual apartments and that a three-phase supply will be available for systems greater than 4kWp.

If only a single-phase supply is available then we will need to update our quotation.

A generation meter will be installed next to the consumer unit so that the system owner has the ability to monitor the generation of their PV system.

Please note that the Feed in Tariff scheme is no longer available and new build housing home owners may not be eligible.

Export limitation:

Devices are available at additional cost. The DNO will confirm whether these are required or not upon completing an application, which we will do upon award of contract.

This includes the supply and installation of the limitation device but not the cost of the supply and installation of the CAT5 cable by your electrical contractor.



TARGET (kWh)
46320
PROPOSED (kWh)
46479
PASS

Project Summary:

In Roof PV Systems

MCS Approved PV panels

BBA Approved integrated mounting system

Full fire certification (BBA)

Fully installed prices (excluding AC cable work by electrician)

Fully commissioned by us (others leave this to the electrical contractors)

AC isolators supplied and installed by us (others leave this to the electrical contractors)

MCS certificates issued on commissioning

Full working drawings issued to technical team and site managers

Full handover packs provided with user manuals and helpline details

Total Cost : £62,696

Plot Number	House Type
9	CHM
10	CHM
11	SBY
12	SBY
15	SBY
24	CHM
25	CHM
35	LBY
36	DBY
37	LBY
45	KTN
46	LBY
49	SBY
50	LBY
53	SBY
54	FBY
55	FBY
56	SBY



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Inclusions/Exclusions	Supplied and Installed By	
	eco ₂ solar	Others
MCS approved PV Panels	✓	
MCS approved fixing system for In Roof	✓	
Single Core DC Cable	✓	
DC Isolators	✓	
Grid approved inverters	✓	
Generation Meter	✓	
AC Isolators x 2	✓	
DC works fully installed by Eco2Solar	✓	
Commissioned by Eco2Solar	✓	
Full working drawings	✓	
DNO Application	✓	
User Manuals/Handover packs	✓	
AC supply cable (inverter location to main DB)		✓
Export limitation devices or cable		✓
CAT5 cable installed from mains to inverter location		✓
Spare MCB in Main DB		✓
Site to provide 2 x vertical timber upstands next to loft hatch 600mm apart to allow us to brace inverters to (this avoids having to provide walkway)		✓
Sacrificial layer/membrane (if needed) on flat roof		✓
Cable entry provided by roofing contractors		✓
Site access/lifting equipment		✓
Site welfare		✓
Application for planning and building control approval		✓
Safe working environment (scaffolding/edge protection)		✓
1m x 2m landing deck/platform next to the loft hatch for inverters mounted in a loft space		✓
Off-loading facilities		✓
Parking		✓
Production of BS7671 certificate for AC cable installed by others		✓
Lightning protection and surge protection for the PV system		✓
DC cable containment within the building		✓
Connection charges from Distribution Network Operator		✓
Choice of electricity supplier, informing electricity supplier of installation or negotiation of payment for FIT		✓
Installation of import/export meter		✓
Structural assessment / calculations to confirm roof can support the loads from the PV system		✓



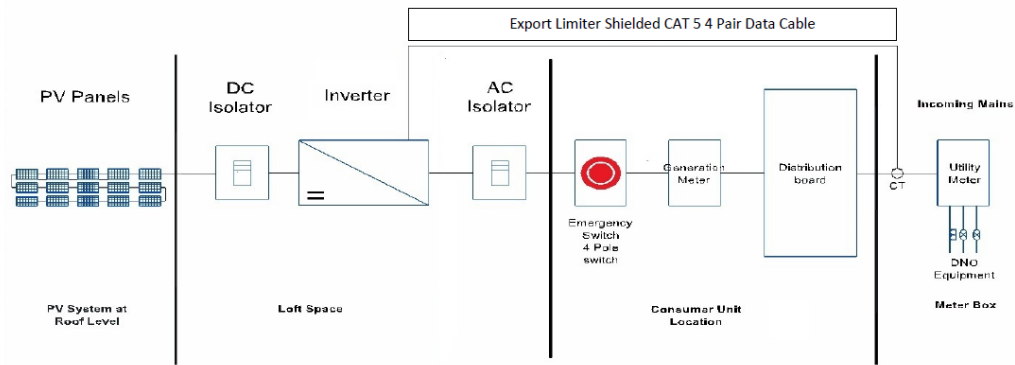


Viridian Poly White Panels (Black Frame, White lines)

Export limiters (may be enforced by the DNO)



Export Limiter Solar PV Schematic



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Payment Terms

Due Date - 30 Days end of month following invoice date and must be paid within 5 days of the due date (" the final date for payment").

Our price assumes the following:

- The on-site electrician will run in the AC cable from the consumer unit/DB to the inverters ready for our connection
- The on-site electrician will run in the CAT5 cable from the incoming mains to the inverter location ready for our connection
- Scaffold and access/lifting is available for installation
- Roofing contractors to install swan neck/cable entry position on all flat roof/metal roof installations prior to installation
- Roofing contractors to supply a sacrificial layer on flat roof jobs if needed for roof membrane guarantee
- Roofing contractor to stick/dress down our flashing and side soaker strips when tiling the roof
- Some building insurance policies may require the installation of a "Fireman's Switch" to isolate the PV array on the DC side in the event of a fire. As this was not specified, we have not included for this in our price.
- Network study fees and DNO upgrade costs cannot be estimated and will be payable directly between the customer and the DNO.
- This quotation is valid for 30 days.

Drawing revisions:

- A full set of installation drawings will be submitted upon award of contract. We will provide up to 2 revisions free of charge but additional revisions will be charged at £100 per revision thereafter.

Scheduling and day rates

- Day rates of £350 per day plus travelling expenses apply
- Prices based on a minimum of 2 plots per visit
- Prices based on a 2-visit installation (first fix panels, 2nd fix and commission)
- Power must be on to the house to allow for commissioning
- Further visits if power not on or variations will be charged at day rate

EPC coordination and home owner Feed in Tariff claims

- The Feed in Tariff has been phased out completely and is no longer available.

DNO charges

- Eco2Solar will apply to the District Network Operator on your behalf for an application for connection of the PV systems. The DNO is not controlled by Eco2Solar and so we cannot include any additional charges or witness testing/study fees that may be applicable within our quotation as this can only be confirmed after a full application has been issued upon award of contract. Any additional charges issued by the DNO will be sent across to the client in an open book policy and will be a variation to our order as they do not issue "standard charges" with which we can include within our original quotation.

Export Limitation devices



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- In some areas of the UK the DNO has restrictions regarding the amount of PV that can be connected to their infrastructure. Eco2Solar Ltd have no way of knowing this information at the point of issuing this quotation and will conduct a full DNO application on your behalf upon award of contract and receipt of MPANs. If there are any restrictions from the DNO we have solutions that can “limit” the exported power of the PV system and can supply and install these at additional cost- where required.

Export Meters

- If the system proposed is 30kWp and over then the client will need to apply for an Export Meter to be installed by a licensed Meter Operator should they wish to claim Export Bonus payments. The meter operators will issue a charge for the installation of this meter and maintenance of the meter and this is not included within our quotation as only licensed Meter Operators can conduct these installations. If the client does not wish to claim the Export Bonus payments then they will not pay this charge and need not have an Export Meter installed.

Installation is based on the following:

- Eco2Solar Operatives having a clear area of work
- Eco2Solar Operatives having clear access to site
- No overlap of trades
- Design Document: n1276_008 - Planning Layout.dwg; 007780 - Energy Report

Workmanship and Materials guarantee period

1 Year parts and labour warranty from date of commissioning (Eco2Solar)

Manufacturers Warranties

Inverter warranty – in line with Manufacturer’s Warranty

Module guarantee - in line with Manufacturer’s Warranty

I trust that this is acceptable, if you have any questions or require any assistance whatsoever then please do not hesitate to contact me at any time.

Thank you for the opportunity

Andrew Smith

Regional Manager - North of England



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Commercial Terms and Conditions – Solar Photovoltaic Systems

1. DEFINITIONS

In these Terms & Conditions the following words shall have the following meanings unless otherwise expressly stated:

“**Eco2Solar**”, “**The Company**”, “**we**”, “**us**” and “**our**” means Eco2 Solar Limited whose registered address is Unit 8 John Samuel Building, Arthur Drive, Hoo Farm Industrial Estate Kidderminster, DY11 7RA

“**The Property**” means the location at which the System is to be installed.

“**Terms and Conditions**” means these terms and conditions

“**You**” means the other party to the agreement governed by the Terms and Conditions

2. GENERAL

- 2.1 These Terms and Conditions set out the terms and conditions on which we will deal with each other if your order to Eco2 Solar to deliver and/or install the technology specified in the Order ("the System") at the Property is accepted by returning the countersigned **Eco2Solar** Order form ("the Order") or by our commencing delivery or installation.
- 2.2 We will carry out the work specified in the quotation in writing by an **Eco2Solar** representative ("the Quotation") for the amount quoted ("the Contract Price") based upon the information stated and assumptions stated in the Quotation subject to the following Terms and Conditions. All prices quoted exclude VAT unless stated otherwise on the Order
- 2.3 The Quotation is valid from the time of Quotation and will expire if not accepted by you in writing within 28 days of that date. All quotations are subject to commencement of installation taking place within four (4) calendar months from and including the date the quotation is accepted.
- 2.4 The Quotation does not include the cost of removing any dangerous waste material, such as asbestos. Such work will be at extra cost for which you will be liable. When you have any asbestos removed, a clean air certificate must be provided before we will do any further work at your property.
- 2.5 Unless specified in the Quotation the Quotation does not include for any general builders work or attendances or for the provision of scaffolding and/or access lifting equipment.
- 2.6 If you are intending to claim government incentives such as tariff payments or funding for your installation you must check your eligibility to receive such tariffs or funding. Whilst the component manufacturers may specify performance of their products we do not warrant the performance of the system. We will install the system with reasonable skill and care and in a proper and workmanlike manner. Where we carry out design we carry out the design with reasonable skill and care. Save as expressly provided herein all other warranties whether implied by operation of law or howsoever arising are hereby excluded.
- 2.7 For smaller systems, providing that your system complies with engineering recommendation G83/1-1 Stage 1 we will carry out the connection works specified in the quotation and will inform the DNO of your connection within 28 days of connection. If any additional works are specified by



the DNO beyond those specified in the quotation these will be charged at cost plus our overheads for dealing with these works. For other systems unless stated otherwise in the quotation we accept no responsibility for the connection of the system to the grid or registration of your system for the ROOFIT process on the Renewables and CHP register or such other registration.

- 2.8 Our normal business hours are between 9am and 5pm Monday to Friday. We generally carry out installation work during daylight hours. If you want us to work outside these hours, it may be necessary for us to make additional charges which we will agree with you in advance in writing.
- 2.9 The time estimate provided for completing the work is our best estimate and we will make every effort to complete the work on time, however, we cannot be held responsible for delays due to weather or other circumstances beyond our control. In such circumstances we will revise with you the time estimates we originally provided. If you fail to accept delivery of goods or do not permit the installation to proceed on the date which has been notified we may make a reasonable charge for any costs incurred or losses suffered by us. If you notify us of any alteration to timings for delivery or installation before 10.00AM on the first working day prior to the date of delivery or installation that will help reduce any costs that may be incurred.

3. WARRANTY

- 3.1 The workmanship and materials guarantee period is detailed in the Quotation and will commence from the date that the installation is completed (" the Defects Period "). Until the end of the Defects Period we will rectify any notified defects in our workmanship and replace or repair any faulty materials or components in accordance with the manufacturer's warranty. Upon conclusion of the Defects Period we shall have no further liability except in relation to specific items listed in the quotation which are subject to longer manufacturers warranties in respect of such items the manufacturer's warranty shall apply for such additional period, provided that if the manufacturer's warranty is assigned by us to you then your sole remedy in respect of any defect or fault in the component shall be to make a claim against the manufacturer under the terms of the warranty. If any survey is carried out by others on your behalf no claims will be accepted for inappropriate goods ordered. We reserve the right to vary drawings, specifications, materials or services provided as part of the order so as to comply with changes in statutory requirements, availability of materials or design modifications. Such changes may give rise to an adjustment of the Contract Price and we will notify you of the proposed change and the adjustment to the Contract Price. Any such adjustment shall be on the basis of a fair valuation of the change.
- 3.2 We make no representations as to the suitability of the Property for the System. We will take all reasonable care to carry out the work without causing unnecessary damage to your property. In the event that works are required to strengthen or modify any existing property or structure it is acknowledged that the Quotation does not include any such work unless expressly provided for in the Quotation. While we will make good unnecessary damage directly caused by our negligence, you accept that the installation and related work may cause damage to finishing's, both internally and externally and that certain areas may need re-instatement / redecoration following completion of the installation. Redecoration and re-instatement will be your responsibility and is not included in the quotation. It is your responsibility to notify the relevant insurers that you are having work undertaken at the Property.



4. CONSENTS

- 4.1 If you are a tenant you may need your landlord's prior written permission to carry out the work detailed in the quotation. In the absence of your advice to the contrary we will assume that you have made enquiries and obtained permissions where required. We shall not have any liability for unauthorised works and you shall indemnify us for any losses howsoever arising that we incur from your failure to obtain such permissions. You may require Planning Permission to carry out the work detailed in the Quotation. In the absence of your advice to the contrary we will assume that you have made enquiries and obtained permissions and approvals where required. We shall not have any liability for unauthorised works and you shall indemnify us for any losses howsoever arising that we incur from your failure to obtain such permissions.
- 4.2 If you have a Leasehold interest in the Property you will need to obtain the Freehold owner(s) prior written permission to carry out the work detailed in the Quotation. In the absence of your advice to the contrary we will assume that you have made enquiries and obtained such permission(s). We shall not have any liability for unauthorised works and you shall indemnify us for any losses howsoever arising that we incur from your failure to obtain such permission(s).
- 4.3 It is your responsibility to obtain any planning permission or other consent required for the works to the Property. It is your responsibility to ensure that we have clear and lawful access to the Property or any part thereof for the carrying out of the work. If our work is delayed or is disrupted due to your failure to provide the same we may charge our reasonable costs incurred.

5. EXISTING SYSTEMS

Where we have connected new equipment to your existing system we will not accept responsibility for the cost of repairing or replacing parts of your existing system which subsequently develops faults in that system unless we have been negligent in not realising that such damage may occur or if the way we carried out the work directly caused the fault.

6. FORCE MAJEURE

We do not accept liability if we cannot fulfil our side of the agreement for reasons which are beyond our control such as fire, accidents, war, adverse weather conditions, industrial disputes, strikes and lockouts which we are not directly involved in.

7. SUBCONTRACTING

To carry out the work as quickly as possible we may need to use sub-contractors. All sub-contractors are approved by Eco2Solar and experienced, qualified and accredited to carry out their work.

8. TITLE

Goods supplied and delivered by us to you shall remain our property until paid for by you in full and any arrears or interest charges under the contract have been paid. Whilst goods remain our property (we continue to have title over them) we have the absolute authority to retake, sell or otherwise dispose of all or any part of these goods. At any time and without notice we shall also be entitled to enter the Property or any premises in which our goods, or any part of them, are installed or stored or it is reasonably believed to be so. We shall be entitled to seek a court injunction to prevent you from selling, transferring or otherwise disposing of such goods.

9. PAYMENT TERMS



Payment of the Contract Price must be made as shown on the Quotation. In addition to the Contract Price we may raise an invoice at any time in respect of any adjustment to the Contract Price for work not allowed for in the Quotation or any loss and or expense or additional cost recoverable under this Contract and such sums will become due upon receipt of invoice (the due date) and must be paid within 5 days of their becoming due. It is a condition precedent to performance of the works/ services the subject of an order or the commencement of work on site that any payments required to be made upon order or prior to commencing work on site must have been received.

10. LIABILITY

- 10.1 Except as otherwise expressly provided in these Terms and Conditions, and except where the System is provided to you as a person dealing as a consumer (within the meaning of the Unfair Contract Terms Act 1977) in which case nothing in these Terms and Conditions or elsewhere in this Contract affects your statutory rights, all warranties, conditions or other terms implied by statute or common law are excluded to the fullest extent permitted by law.
- 10.2 Nothing in these Terms and Conditions or elsewhere in this Contract shall exclude or limit Eco2Solar's liability for:
- 10.2.1 death or personal injury caused by Eco2Solar's negligence or the negligence of Eco2Solar's employees, agents or subcontractors (as applicable);
 - 10.2.2 fraud or fraudulent misrepresentation;
 - 10.2.3 breach of the implied terms as to title;
 - 10.2.4 defective products under the Consumer Protection Act 1987 (if applicable); or
 - 10.2.5 any matter in respect of which it would be unlawful for the Supplier to exclude or restrict liability.
- 10.3 Subject to Condition 10.2: Eco2Solar shall under no circumstances whatever be liable to you, whether in contract, tort (including negligence), breach of statutory duty or otherwise, for any loss of profit, business, business opportunity, contract, goodwill, income, reputation, revenue or anticipated savings, loss of data or any indirect, special or consequential loss or damage, costs expenses or other claims for compensation arising under or in connection with works, goods or services provided by us; and (ii) in any event the entire liability of Eco2Solar in respect of all losses, damage, costs, expenses and other claims for compensation under or in connection with works, goods or services provided by us or howsoever arising shall in no circumstances exceed the Contract Price or the actual proceeds received by Eco2Solar under its relevant insurance policy or policies in respect of the liability in question, whichever is the greater.
- 10.4 In entering into this Contract, you agree that the provisions of these terms and conditions are reasonable and reflect the respective financial positions of Eco2Solar and you, and that the Contract Price reflects the position on liability and risk assumed by each party under these terms and conditions.

11. CANCELLATION



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Eco2Solar may cancel the agreement with immediate effect at any time by providing you with written notice. If we cancel the agreement without good reason subject to clause 17 we will pay you any direct costs or losses you incur as a direct result of the cancellation.

12. THIRD PARTY RIGHTS

Nobody other than you will be able to benefit from this agreement.

13. PERSONNEL

You agree not to directly employ or contract staff and/or contractors introduced to you by Eco2Solar within 12 months of the introduction or the termination of any contract with you with which the individual is involved.

14. PUBLICITY

We reserve the right to announce publicly that we are providing goods and services to you (e.g., for our publicity and marketing materials, and for case material on our website) unless you advise us in writing to the contrary.

15. SEVERABILITY

If at any time any part of these Terms & Conditions or a Clause in these Terms & Conditions becomes void or unenforceable under any applicable law it shall be deemed to be deleted from these Terms & Conditions and the remaining provisions of these Terms & Conditions shall continue unaffected.

16. ENTIRE AGREEMENT

These Terms & Conditions contain the entire agreement between you and us with respect to the subject matter of the Terms & Conditions and shall supersede all other written or oral communications between you and us. The express terms and conditions in these Terms & Conditions are in lieu of all warranties, conditions, terms, representations, statements, undertakings and obligations whether express or implied by common law, custom, usage or otherwise all of which are hereby excluded to the fullest extent permitted by law. You hereby confirm that you have not relied upon any representations, communications or other matters which have not been expressly stated in these Terms & Conditions. Notwithstanding any provision to the contrary, nothing in these Terms & Conditions limits or excludes our liability for fraudulent misrepresentations.

17. NOTICES

You agree to provide all notices in relation to these Terms and Conditions by email to us by email (info@eco2solar.co.uk), or alternatively in writing to us, marked for the attention of the "Office Manager" at Eco2 Solar Ltd, Unit 8 John Samuel Building, Hoo Farm Industrial Estate, Kidderminster. DY11 7RA

18. LAW AND JURISDICTION

These Terms & Conditions and any dispute or claim arising in connection with them shall be governed by the laws of England and shall be subject to the exclusive jurisdiction of the English Courts to which you irrevocably submit.

