



07449991052
info@energyhi.co.uk

QUOTE

QT00147

Richard Burgess	Job Number	JB00198	Date	15 July 2024
Hawthorns, The Causeway	Job Address	Hawthorns	Expiry Date	15 August 2024
Therfield, Royston		The Causeway	VAT Number	435 2451 13
SG8 9PP		Therfield		
United Kingdom		Royston		
		SG8 9PP		
		United Kingdom		
	Reference	Solar + GivEnergy AIO		

Supply and installation of a 3.52kW Solar PV system with AC coupled GivEnergy All-in-One battery system with 13.5kWh usable capacity and off-grid functionality

Proposed solar PV system:

8x 440Wp all black Jinko solar PV panels

Renusol on roof mounting kit

6 Panels to be mounted in portrait orientation on the larger roof. 2 Panels to be mounted in landscape orientation on the smaller roof facing the road.

Unfortunately, the space on the roofs facing the garden is insufficient to allow the installation of Solar PV panels due to the pre-existing windows and small roof areas it would not be safe or practical to mount them in this fashion.

Proposed battery and inverter system

Separate 3kW Growatt inverter to convert the DC from the Panels to AC to be installed in the loft.

For the battery system we have chosen the GivEnergy All-in-One with the GivEnergy Gateway. The All-in-One has a total usable storage capacity of 13.5kWh. This allows you to store any excess energy generated by the proposed solar system but also provides a large capacity to use grid charging on cheap overnight electricity. The GivEnergy Gateway allows off-grid operation during a power cut. It also is the connection point for the EV charger and Solar PV into your electrical system. The Giv Gateway acts as monitoring for your solar and grid consumption. It is to be installed under the stairs with the battery being installed next to the heat pump externally.

The cables will be run under the floor boards following the route of the air source heat pump supply. The cable from the inverter will be run externally from the loft to the gateway under the stairs.

This quote also includes the already completed EICR electrical inspection on your property as well as upgrading the existing consumer unit to a full RCBO board with surge protection to comply with current safety regulations.

Additional items included in this quote *(Please advise if you would like the additional items removed):*

- Bird netting. Installed around the panels to avoid pigeons nesting under the panels. This is a recommendation only. The proposed netting is from a company called Solaskirt. Please see the following link for further information:

<https://solaskirt.co.uk/>. We'll arrange Solaskirt themselves to fit the product as part of this quote.

- Wired smoke alarms: MCS and us recommend having smoke alarms fitted. We would install an additional alarm in the loft and this would be interlinked with the rest of the alarms throughout the house.

- Supply and installation of a GivEnergy EV charger. Currently, GivEnergy has a promotion on the EV charger **if you purchase before the 16th of August** a reduced cost applies. The quote is based on being able to run the cables underneath the floorboards to the parking area. If you wish to go ahead we have to agree on a cable route prior to installation. Due to the use of external insulation the charger may need to be mounted on a plinth. This is not included in the price.

Additional items **not included** but can be provided:

- Arc fault protection on the AC circuits. These would be installed in the consumer unit. This can be added to the quote, it would give added arc fault protection on the AC side of the inverter. This would be an additional £65 per circuit covered.

Please note, the scaffolding cost provided is an estimate. If you wish to go ahead with the installation a revised quote will be sent to you once we receive pricing from the scaffolding company.

Please note due to supply issues we may need to change the panels specified in this quote. However, we will always choose all black panels with an output of +5W of the ones specified.

All new circuits installed in the UK now require surge protection. The installation of which is covered within your quote for both the Solar and the new consumer unit. This is a safety requirement when using the electrical grid earthing arrangements.

Before your installation, a G99 application is required to gain approval from the power network operator and is mandatory and is also non-transferable between different installers. Upon completion of the installation, you'll be provided with an electrical installation report as well as a building control notification and an MCS certificate.

Please be aware that only authorized GivEnergy installers such as us will be able to complete your product installation and activate the warranty.

Please note that we are specialist MCS-accredited renewable installers and will install the system to meet all the requirements mandated to us. We are accredited installers for all products we install. All our installers have been trained by the manufacturers so we can correctly install and commission the system. We follow all the correct guidelines for solar and battery installations such as the G100 regulations for grid connections, the IET Code of Practice for solar and battery installations and BS 761:2018 electrical regulations.

This installation is 0% VAT rated. All equipment will need to be installed at the same time and will need to be part of the solar PV system and its infrastructure to maintain 0% VAT rating.

Description	Quantity	Unit Price	Amount
Modules: Jinko 440Wp	8		
Renusol mounting kit	1		
Battery system: Givenergy All-In-One 6kW with 13.5kWh usable storage capacity and Gateway	1		
Solar PV inverter: Growatt 3kW MIN 3000 TL-X	1		
Additional electrical material	1		
Design and Installation	1		
Fuseboard change and EICR supply and installation	1		
Testing and commissioning of solar and battery system	1		

MCS Registration including building control notification	1
Scaffolding	1
Additional item: Bird netting (solar skirt)	1
Additional measure: Linked smoke detectors	1
Additional Item: GivEnergy 7kW EV charger (promotion)	1

Please note:

1. This quote has been prepared following a site visit.
2. If you request changes that involve us in additional time or cost, or if unforeseen additional works are required, we will provide you with a revised quote. Any additional charges will be based on the installers hourly or daily rate of £50/h or £400/day.
3. You may have additional costs to pay for planning permission as your property is in a conservation area.

Performance estimate

We have estimated that this system will produce 2,559 kWh a year. Please see the attached '**Predicted System Performance**'.

Sub-contracting installation Works

Home Energy Innovation will subcontract the erection and dismantling of scaffolding to Abbot Scaffolding and some electrical work to HS Electrical who will work under our supervision. In accordance with the Renewable Energy Consumer Code Consumer Code, Home Energy Innovation is responsible for ensuring that all sub-contracted works are carried out to standards required by MCS and RECC.

PAYMENT TERMS

Payment 1: Advance payment payable 14 days prior to installation not exceeding 60% of total sum inc. VAT.

Payment 2: Balance payable on commissioning

ACCEPTING THIS QUOTATION

To accept this quotation please click the link provided or email Alicia at alicia@energyhi.co.uk. After acceptance, we'll provide you with further information, a contract our terms of business, and the next steps.

COMPLAINTS

We hope you won't have any reason to complain about any aspect of our service. But if you do, please see our website www.homeenergyinnovation.co.uk for information on our complaints policy and procedure.

If we cannot resolve your complaint, you may be able to complain to RECC. You can read about this here: www.recc.org.uk/consumers/how-to-complain

Terms and Conditions

To comply with the Electricity at Work Regulations 1989 act we will not be able to work on live circuits. So this means that the power will need to be isolated when we are working as it is a legal requirement. If you would like more information on the Electricity at Work act, we can provide this for you. If you are planning on working from home while work is being undertaken we require prior notification of this before any team members arrive and we may need to reschedule the visit because it is impracticable to isolate the circuit safely. Please be aware while electrical works are being undertaken that the electricity supply to your house could be accidentally disconnected at any time.

We require someone to be present at the property at all times while the Home Energy Innovation team is undertaking work for safety reasons. We also require for all works above 3m that two team members are present to secure the ladder.

If we find any presence of Asbestos while working unfortunately that means work will be ceased immediately and we won't be able to conduct the work until the Asbestos is removed or made safe in the areas where we are working. If work in lofts is to be undertaken extra time will be allocated due to the nature of this work. If you find that you develop any illness or fever symptoms before any work is booked in we require that you make our team aware of this before our arrival.

Title to the goods supplied remains with Home Energy Innovation until payment for them has been satisfactorily received.