



[Company Name]

[Type the company address]

[Type the phone number]

[Type the fax number]

[Pick the date]

Installed by [Company Name]

[Site contact name and address details.]

CONTENTS OF MANUAL

Sections

Front page

Contents of Manual

Customer Hand Over Certificate

An Overview of the Installation

Drawing or Photograph of the Roof Showing Solar PV Panel Array Layout

Schematic Drawing of the AC and DC Wiring Installation

Information on the System Components and their Location

PV Installation Check List

Domestic Electrical Installation Electrical Installation Certificate

Warranty Information

Testing and Commissioning Documentation

SSEG Installation and Commissioning Document

Sales Order and Invoice Duplicates

Workmanship Warranty

Solar PV Payback Calculation

Operating & Maintenance Details

Manufacturer Details

Double click here to insert your company header

Maximum Image Dimensions - 5.45cm x 18.5 cm
747 x 164 pixels



Click Toggle Logo button in the Add-ins ribbon to remove this header

CUSTOMER HAND OVER CERTIFICATE F11		Rev5	09/02/2021	Project Number:	<input type="text"/>
CUSTOMER CONTACT DETAILS				MCS Cert No:	<input type="text"/>
Customer name:	<input type="text"/>	Contact name:	<input type="text"/>		
Trading Title and Address	<input type="text"/>	Site address (if different):	<input type="text"/>		
Commissioning date:	<input type="text"/>	Type of System:	<input type="text"/>		
OFGEM REGISTRATION NUMBER <input type="text"/>					
ADVICE RE PROTECTION FROM FLORA/FAUNA <input type="text"/>					
Estimated system performance using the MCS Method					
Energy Supplied annually by a solar system – Solar Input (Qs)		<input type="text"/>	Qs = kWh/year		
INSTALLER CONTACT DETAILS					
Company name:	<input type="text"/>	Office tel no:	<input type="text"/>		
Installer address:	<input type="text"/>	Mobile number:	<input type="text"/>		
	<input type="text"/>	Email address:	<input type="text"/>		
	<input type="text"/>				
Post code:	<input type="text"/>				
PRODUCT INSTALLED, COMMISSIONED AND TESTED					
Description	Model/Make	MCS code	Quantity		
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
We confirm that the system meets the requirements of MIS 3002 and IET Code of Practice Solar PV					
Designed by (Signature)	Designed by	Date:			
<input type="text"/>	<input type="text"/>	<input type="text"/>			
Installed by (Signature)	Installed by	Date:			
<input type="text"/>	<input type="text"/>	<input type="text"/>			
Verified/Tested by (Signature)	Verified/Tested by	Date:			
<input type="text"/>	<input type="text"/>	<input type="text"/>			
CONFIRMATION OF DOCUMENTS ATTACHED (Copies used for signed and external issues)					
Inverter manufacturer specification	<input type="checkbox"/>	Solar panel manufacturer specification	<input type="checkbox"/>		
Array mounting system manufacturer specification	<input type="checkbox"/>	Sales contract (copy)	<input type="checkbox"/>		
Customer order/quotation form (copy)	<input type="checkbox"/>	Sales invoice	<input type="checkbox"/>		
Warranty for installation services	<input type="checkbox"/>	PV array test report	<input type="checkbox"/>		
SSEG Installation Commissioning Confirmation	<input type="checkbox"/>	Payback calculation	<input type="checkbox"/>		
Schematic diagram	<input type="checkbox"/>	Electrical test certificate	<input type="checkbox"/>		
Module test results/module layout diagram	<input type="checkbox"/>	Roof plan diagram	<input type="checkbox"/>		
Operation & Maintenance of the solar electricity PV system / includes emergency shutdown procedure <input type="checkbox"/>					

AN OVERVIEW OF THE INSTALLATION

Your Solar PV system is now installed, tested and commissioned and is generating electricity for your own use during daylight hours and will if the energy is not used by your home, export energy back to the national grid.

Please refer to our section Solar PV Payback Calculation to review the kWh of energy your system should on average be producing and the projected Feed in Tariff and electricity saving benefits.

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

Please contact us immediately if you wish to change any part of your Solar PV System, only qualified engineers registered with MCS should be allowed access. Do not attempt to modify or change the system yourself.

Your Solar PV system is now ready to be signed up for the Feed in Tariff. We have registered your system on to the MCS website and you will have now your MCS certificate registration number. You should now contact your energy supplier to inform them that you have a new Solar PV system installed onto an existing building.

Your electricity supplier will send you the appropriate forms to complete to register your installation for the Feed in Tariff. Should you require any assistance completing the paperwork, please do not hesitate to contact us and we will offer you free advice and guidance.

Overview of PV System Elements

Your PV system comprises of 18x 400W solar panels situated on your parlour's roof. The array of panels is connected to an inverter which has been installed in your attic.

The inverter converts DC electric from the solar panels to the AC current required to connect to your existing electricity meter and will begin generating each day as soon as light levels are sufficient.

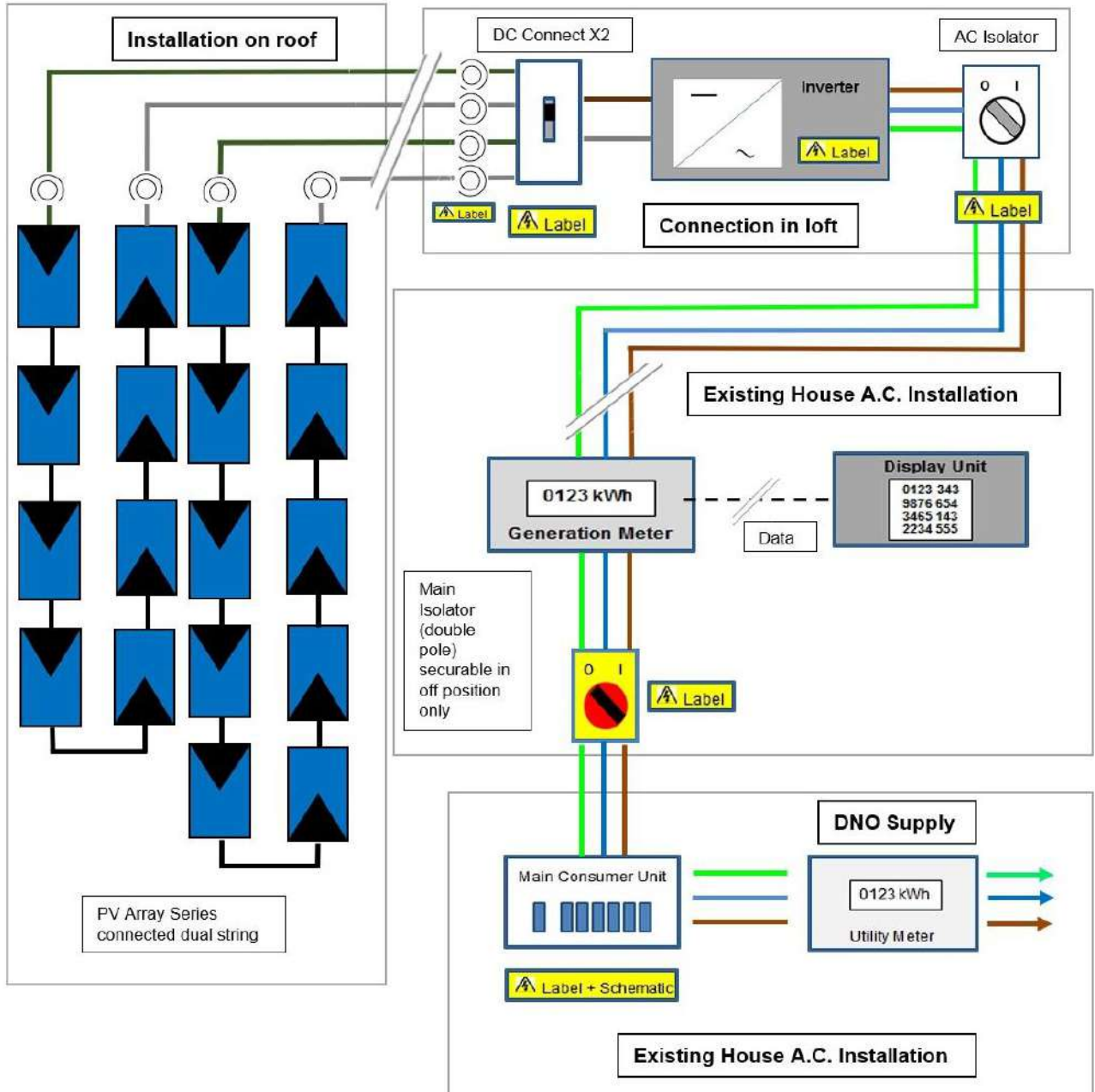
Your system includes 1x 14.2KW battery, connected to your hybrid inverter with will store and release energy on demand.

The system is supplied with an energy meter which records the kWh generated so you can see when the system is active and how it compares to payback projection.

DRAWING OR PHOTOGRAPH OF THE ROOF SHOWING
SOLAR PV PANEL ARRAY LAYOUT



SCHEMATIC DRAWING OF THE AC AND DC WIRING INSTALLATION



PV INSTALLATION CHECK LIST

PV INSTALLATION CHECK LIST F09		Rev2 13/05/2019	Project Number: _____
SITE DETAILS		INSPECTION DETAILS	
Contact name: _____	Telephone: _____	Inspection date: _____	
Address: _____	Mobile: _____	Inspected by (Signature): _____	
	E-Mail address: _____	Inspected by (Print name): _____	
Postcode: _____			
PROTECTION AGAINST OVERVOLTAGE / ELECTRIC SHOCK		GENERAL INSTALLATION (MECHANICAL)	
Equipment compliant with standards, correctly selected & not damaged	✓	Array frame correctly fixed and stable: Roof fixings weather proof	✓
Equipment and protective measures appropriate to external influences	✓	Ventilation provided behind array to prevent overheating / fire risk	✓
Equipment and accessories correctly connected	✓	Array frame & material corrosion proof	✓
Particular protective measures for special location	✓	Cable entry weather proof	✓
Equipment accessible for operation, inspection & maintenance	✓	Protection against overvoltage / electric shock	✓
Conductors routed in safe zone or protected against mechanical damage	✓	D.C. SYSTEM	
Conductors connected and identified	✓	Physical separation of A.C. and D.C. cables	✓
Conductors selected for current carrying capacity and volt drop	✓	D.C. switch dis-connector fitted (to IEC60364-712.536.2.2)	✓
Presence of fire barriers, seals and protection against thermal effects	✓	PV strings fused or blocking diodes fitted (only relevant if required)	
System installed to prevent mutual detrimental influence	✓	D.C. cables – protective and reinforced insulation (only relevant if required)	✓
GENERAL INSTALLATION (ELECTRICAL – REF IEC60364-6-61)		All D.C. components rated for operation at max. D.C. system voltage (Voc stc x 1.25)	✓
Array frame equipotential bonding present (if required) placed out of reach or Class II		LABELLING AND ISOLATION	
Live parts insulated, protected by barrier/enclosure	✓	PV system schematic displayed on site	✓
RCD provided (if required)	✓	General labelling of circuits, protective devices, switches and terminals	✓
Frame correctly integrated with existing LPS Installation		Emergency shutdown procedure displayed on site	✓
Surge protection devices present (if required)	✓	Protection settings and installer details displayed on site	✓
A.C. SYSTEM		D.C. isolator/function boxes suitably labelled	✓
Inverter protection settings to local regulations	✓	A.C. isolator clearly labelled	✓
A.C. isolator lockable in off position only	✓	Signs and labels suitably affixed and durable	✓

DOMESTIC ELECTRICAL INSTALLATION CERTIFICATE

ELECTRICAL INSTALLATION CERTIFICATE REQUIREMENTS FOR ELECTRICAL INSTALLATIONS - BS 7671: 2018+ A2: 2022		CERTIFICATE NUMBER	
		EIC	<input type="text"/>
PART 1: CLIENT DETAILS			
Address	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		
Tel No	<input type="text"/>		
PART 2: INSTALLATION ADDRESS			
Address	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	New installation	<input checked="" type="checkbox"/>
		An addition	<input type="checkbox"/>
Tel No	<input type="text"/>	An alteration	<input type="checkbox"/>
Extent of the installation covered by this certificate	All Electrical installation	Replacement of a distribution board	<input type="checkbox"/>
PART 3: FOR DESIGN, CONSTRUCTION, INSPECTION AND TESTING			
I being the person responsible for the design, construction, inspection and testing of the electrical installation (as indicated by my signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, construction, inspection and testing, hereby CERTIFY that the said work for which I have been responsible is to the best of my knowledge and belief in accordance with BS 7671:2018 as amended to 2022 (date) except for the departures, if any, detailed as follows:			
Details of departures from BS 7671 as amended (Regulations 120.3, 133.1.3, 133.5):	<input type="text"/>		
Details of permitted exceptions (Regulation 411.3.3)	<input type="text"/>		
Where applicable, a suitable risk assessment(s) must be attached to this certificate <input type="checkbox"/>			
The extent of liability of the signatory or the signatories is limited to the work described above as the subject of this Certificate.			
Signature	<input type="text"/>	Date	<input type="text"/>
Name	<input type="text"/>	Reviewed by:	<input type="text"/>
		Signature	<input type="text"/>
		Date	<input type="text"/>
		Name	<input type="text"/>
For and on behalf of	<input type="text"/>		
Address	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		
Postcode	<input type="text"/>		
Tel number	<input type="text"/>		
PART 4: NEXT INSPECTION			
I, the designer recommend that this installation is further inspected and tested after an interval of not more than <input type="text" value="10 years"/> **			
** The proposed date for the next inspection should take into consideration the frequency and quality of maintenance that the installation can reasonably be expected to receive during its intended life. The period should be agreed between relevant parties.			

WARRANTY INFORMATION

Qcell Solar Panel: [QCells M-G11 Warranty](#)

Inverter: [Solis Warranty](#)

Battery: [Pylon Force L2 Warranty](#)

Rail System: [Renusol Warranty](#)

TESTING AND COMMISSIONING DOCUMENTATION

PV ARRAY TEST RESULT REPORT F08		Rev4 08/05/2023	Initial verification / Periodic verification					
REFERENCE	TEST RESULTS							
String reference	S1	S2	S3	S4	S5	S6	n	
Contact Name:								
Installation Site Address:								
Postcode:								
Date of test:	14/09/2023							
Description of Work Under Test:	Solar PV Installation							
Generation Meter Model:	emlite EML M23							
Generation Meter S/No:								
Generation Meter Reading:	0.00							
Test Instrument(s):	Megger MFT 1721							
Comments:								
Test carried out by [signature]:								
Inspector name:								
Inverter 1 Make/model:	Solis S5-EH1P(3-6)K-L							
Inverter 1 Serial Number:								
Inverter 1 Functional check:	<input checked="" type="checkbox"/> Inverter 1 Loss of Mains Test <input checked="" type="checkbox"/>							
Inverter 2 Make/model:								
Inverter 2 Serial Number:								
Inverter 2 Functional check:	<input type="checkbox"/> Inverter 2 Loss of Mains Test							
Array	Module (model)	Quantity	Ocells Q.Peak	Ocells Q.Peak				
Array parameters (as specified)	V_{oc} (STC)	10	36.8	36.8				
	I_{sc} (STC)	9	13.85	13.85				
String over-current protective device	Type	BS EN 61009 RCD/RCCB - Type B						
	Rating (A)	20						
	DC Rating (V)	5000						
	Capacity (kA)	5						
	Type:	T&E						
String wiring	Phase (mm ²)	4						
	Earth (mm ²)	2.5						
	V_{oc} (STC)	308.4	244.6					
	I_{sc} (STC)	3.3	2.3					
String test	Sun (Irradiance)							
Array insulation resistance	Test Voltage (V)	500						
	Pos-Earth (MΩ)	9999						
	Neg-Earth (MΩ)	9999						
	Rating (A)	16						
	Rating (V)	800						
	Location	Attic						
	Functional check	✓						
	Polarity check	✓						
	Earth Continuity (where fitted)	✓						
	Switchgear working correctly	✓						

YOUR LOGO HERE	QUOTE
Company name	INVOICE NO. DATE: DATE
Company Address Company Postcode Contact Number	EXPIRY DATE DATE

TO	Contact name Street address City, County/Region, Postcode Phone number Customer ID No.
-----------	--

DESCRIPTION	UNIT PRICE	LINE TOTAL
18 400W All Black Qcell solar panels – 25 warranty		
15kw Pylon tech battery		
Solis hybrid inverter- 10 year warranty		
Rails and accessories for mounted kit		
Isolators, CT for monitoring kit		
Commissioning Certificate and MCS compliant Handover pack		
Height Access Equipment		
	SUBTOTAL	
	VAT	
	TOTAL	

After surveying we commend installing 10 panels on the south roof and 8 on the west roof.

Quotation valid for : 30 Days

Please note you may have additional costs for EPC certificate, structural engineer's survey, planning permission or building control fees.

To place an order please complete the Customer Order Form and return to [REDACTED] together with deposit payment. Upon receipt of your deposit we will contact you to arrange an installation date.

Notes:

1. Installation price is based on continuous working period.
2. For full Terms & Conditions see enclosed [REDACTED] Terms Of Supply.
3. A full breakdown of services to be supplied is given on the enclosed "Summary of Goods & Works"
4. If Additional Works are required due to 1.) exceptional circumstances not reasonably foreseeable or if 2.) customer request for specification changes, an estimate will be provided based on the installers hourly or daily rate.
5. [REDACTED] is a member of HIES and this document is prepared in accordance with its Consumer Code.
6. A generation meter or smart meter is required to access the (SEG) smart export guarantee.

WORKMANSHIP WARRANTY

Your equipment is guaranteed by its manufacturer, but you should contact us in the first instance if anything appears to be operating incorrectly.

In addition to the product guarantees, our work will be covered by a 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 signatories to the HIES Consumer Code, we are required to ensure that should we cease trading due to receivership, administration or bankruptcy, the workmanship warranty that we have in place for your installation will still be honoured.

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

1. We warrant to you that the installation will be carried out by appropriately qualified and trained personnel. They will use a level of reasonable care and skill as it is reasonable for you to expect. The warranty period for the installation services shall be 2 years from the completion of the installation services.
2. If you make a valid claim about our service in accordance with our terms and conditions, we may arrange for the relevant products to be reinstalled by any of our registered or approved installers or refund to the customer the charge for the relevant part of the installation service (or a proportionate part of such charge).
3. This warranty will only apply:
 - If the product has been installed by us and has been properly used and maintained throughout the warranty period;
 - If you have informed us of the alleged defect within the warranty period and within a reasonable period of discovery.
4. You will promptly provide all information and support, including access to the site and services that are reasonably necessary to enable us to evaluate any alleged defect and perform its obligations under this warranty. You will ensure that all premises, plant, power, fuel support services and other inputs that you provide for the installation and use of the products are reasonable, are fit for purpose and will be properly used and provided.
5. Any dispute as to whether a defect is covered by this warranty shall be immediately referred at the request of either party to the Home Insulation & Energy Systems (HIES) Contractors Scheme as detailed in Principle 8 and, if necessary Principle 10 of The Home Insulation & Energy Systems (HIES) Contractors Scheme.
6. Where we have installed a system in a property that is sold within the warranty period, the warranty will pass to the new legal owner of the property. It may not be transferred to or exercised by any third party.
7. This warranty 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.
8. Most products we supply come with the benefit of a manufacturer's product guarantee. Where a claim in respect of any of the products is notified to us by you in accordance with our terms and conditions, we will liaise with the manufacturer and use all reasonable endeavours to secure a replacement of the product (or the part in question), or a refund of the price of the product (or a proportionate part of the price). This warranty does not replace or limit your legal rights to bring a claim against us as the retailer of the goods supplied.

SOLAR PV PAYBACK CALCULATION

MCS MIS 3002 Ver 4 16/09/2020

Payback Calculations for Solar PV Systems with Battery Storage

V5.6

20 Years

Add Client Details

Export to PDF

Export to Quotation

Insert Logo

Copy data from Survey Form

Copy data from Solar Calcs

25 Years

Client:

Switch to non battery calc

System Performance calculation used: Annual AC output (kWh) = kWp x Kk x SF

Energy Rating Data			System Details		
Irradiance Region	London		Postcode Region (First letter(s) only)		RH
Actual site survey undertaken	Yes		EPC efficiency rating		EPC Cert =>D
User Profile	In half the day and with battery installed		Roof Aspects (maximum 2)		Roof 1 Roof 2
Avg CPI inflation over payback period	2.00%		Orientation (variation from south) degrees		14 86
Annual increase in energy cost	5.0%		Roof Pitch / Slope degrees		35 35
Percentage of export	20%		Overshadowing (SF)		1.00 1.00
Percentage of self consumption	80%		Number of Panels		18 0
Annual Drop in system efficiency	0.50%		Size of Panels (Watts)		400 420
Cost of electricity pence per kWh	33.00p		Battery Size (kWh)		5
% Return on investment APR over 25 years			Cumulative benefit - Export revenue plus electric savings =		
25.90%			£82,584.52		

SOLAR PV SYSTEM PRICE	£13,000.00	Excl VAT	Budget for annual maintenance	£50.00	← Provision for possible failure of inverter can be included here		
System Size KWP		Smart export guarantee p/kwh	Estimated Annual Output kWh/Year				
Roof 1	Roof 2	Total	Kk Roof 1	Kk Roof 2		Roof 1	Roof 2
7.2	0	7.2	5.25	977	7,034	0	7,034

A		B	C	D	E	F	G	H	I
CO ₂ Emission Savings		kWh / annum	Cost of Electric Power	Saving on Electric Power used	Smart Export Guarantee Rate	Smart Export Guarantee Revenue	Savings and Income per annum	Annual costs	Cumulative Benefit
			(BxC)			(BxE)	(D+F)		(G-H)
kgCO2	Year	KWh	p/kWh	£	p/kWh	£	£	£	£
3,690	Yr 1	7,034	33.00	£1,857.08	5.25p	£73.86	£1,930.94	£50.00	£1,880.94
3,672	Yr 2	6,999	34.65	£1,940.19	5.36p	£74.96	£2,015.15	£51.00	£3,845.09
3,653	Yr 3	6,964	36.38	£2,027.01	5.46p	£76.08	£2,103.09	£52.02	£5,896.16
3,635	Yr 4	6,929	38.20	£2,117.72	5.57p	£77.21	£2,194.93	£53.06	£8,038.03
3,617	Yr 5	6,895	40.11	£2,212.49	5.68p	£78.36	£2,290.85	£54.12	£10,274.76
3,599	Yr 6	6,860	42.12	£2,311.49	5.80p	£79.53	£2,391.02	£55.20	£12,610.58
3,581	Yr 7	6,826	44.22	£2,414.93	5.91p	£80.72	£2,495.65	£56.31	£15,049.92
3,563	Yr 8	6,792	46.43	£2,523.00	6.03p	£81.92	£2,604.92	£57.43	£17,597.40
3,545	Yr 9	6,758	48.76	£2,635.91	6.15p	£83.14	£2,719.05	£58.58	£20,257.87
3,527	Yr 10	6,724	51.19	£2,753.86	6.27p	£84.38	£2,838.24	£59.75	£23,036.35
3,510	Yr 11	6,690	53.75	£2,877.10	6.40p	£85.63	£2,962.73	£60.95	£25,938.14
3,492	Yr 12	6,657	56.44	£3,005.85	6.53p	£86.91	£3,092.76	£62.17	£28,968.73
3,475	Yr 13	6,624	59.26	£3,140.36	6.66p	£88.21	£3,228.57	£63.41	£32,133.88
3,457	Yr 14	6,591	62.23	£3,280.89	6.79p	£89.52	£3,370.41	£64.68	£35,439.61
3,440	Yr 15	6,558	65.34	£3,427.71	6.93p	£90.85	£3,518.57	£65.97	£38,892.20
3,423	Yr 16	6,525	68.60	£3,581.10	7.07p	£92.21	£3,673.31	£67.29	£42,498.22
3,406	Yr 17	6,492	72.03	£3,741.36	7.21p	£93.58	£3,834.94	£68.64	£46,264.52
3,389	Yr 18	6,460	75.64	£3,908.78	7.35p	£94.98	£4,003.76	£70.01	£50,198.26
3,372	Yr 19	6,428	79.42	£4,083.70	7.50p	£96.39	£4,180.09	£71.41	£54,306.94
3,355	Yr 20	6,395	83.39	£4,266.45	7.65p	£97.83	£4,364.27	£72.84	£58,598.37
3,338	Yr 21	6,363	87.56	£4,457.37	0.00p	£0.00	£4,457.37	£74.30	£62,981.44
3,322	Yr 22	6,332	91.94	£4,656.84	0.00p	£0.00	£4,656.84	£75.78	£67,562.50
3,305	Yr 23	6,300	96.53	£4,865.23	0.00p	£0.00	£4,865.23	£77.30	£72,350.43
3,288	Yr 24	6,268	101.36	£5,082.95	0.00p	£0.00	£5,082.95	£78.84	£77,354.53
3,272	Yr 25	6,237	106.43	£5,310.41	0.00p	£0.00	£5,310.41	£80.42	£82,584.52
86,927		165,702		£82,479.77		£1,706.26	£84,186.03	£1,601.51	

Comparison to investment into a Building society account over 25 years at 2.50% £24,101.27

*MCS/ECA publication: Guide to the Installation of Photovoltaic Systems (ISBN 978-0-9574827-0-8– Hard Copy / ISBN 978-0-9574827-1-5– Electronic PDF) **Based on cumulative benefits total over 25 years and does not take into account savings on energy after 25 years.

Important note: 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 for the first year of generation. It should not be considered as a guarantee of performance. The solar PV self-consumption has been calculated in accordance with the most relevant methodology for your system. There are a number of external factors that can have a significant effect on the amount of energy that is self-consumed so this figure should not be considered as a guarantee of the amount of energy that will be self-consumed.

*Return on investment is calculation is ((Total Savings & Income / System Price)*100) / (Number of years)* 100)

By accepting this quotation you acknowledge that projected inflation rates used in these calculations have been applied with your approval and should not be considered as a guarantee.

OPERATING & MAINTENANCE DETAILS

Please contact us immediately if you wish to service or change any part of your Solar PV System, only qualified engineers registered with MCS should be allowed access. Do not attempt to service, modify or change the system yourself.

Should you wish an electrician to service or make amendments to your existing circuits or wiring, you must inform the electrician that you have a Solar PV system installed and show the electrician where the isolators are as these must be switched off before any work is undertaken.

A warning notice and circuit diagram of the PV system has been placed near to your consumer unit for further guidance.

The Solar PV system is fully automatic and you will not need to switch on or off during normal operation.

In case of a power cut your Solar PV system will shut down and will detect the power coming back on line and restart automatically after 3 minutes.

It is good practice to look at your Energy Generation Meter every few weeks to ensure that the kWh is increasing which will show that your system is operational.

Should you have any queries or require any assistance please do not hesitate to contact us.

MANUFACTURER DETAILS

Manufacturer Name	Manufacturer's Contact Details
Qcells	QCells Contact Us
Solis	Contact Us (ginlong.com)
Pylontech	Pylontech Contact Us
Renusol	Renusol Contact Us