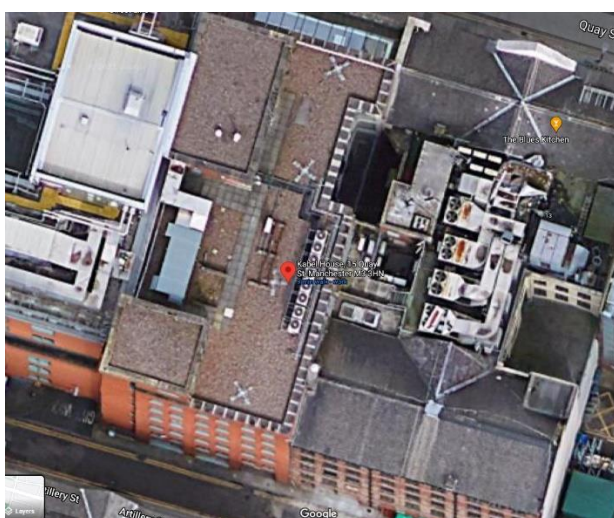




Atlantic Renewables
51 Hillcroft Road,
Altrincham, Cheshire,
Greater Manchester,
WA14 4JE

0161 207 4044

www.atlanticrenewables.co.uk



Solar PV Quotation Overview

Number of Solar Panels – 18

Total kWp Solar PV System – 8.28kWp

Site Address – 15 Quay Street Manchester

Date: 20/01/2022

Register Office: 51 Hillcroft Road,
Altrincham, Cheshire, WA14 4JE
Registered No: 07893545

Contents

Contents	1
Company Accreditations	2
Quoted Cost Breakdown	3
Main System Components for the above cost are provided below:	4
Ballasted Mounting System.....	5
Solis Inverter Online Monitoring	6
Example Solar Panel Circuitry Plans.....	7
Additional cost Summary:	8
Additional cost for alternative Solar Panels:	9
Additional cost for alternative Inverters:	10
Solar Edge Monitoring Overview	11
Main System Components & Services Provided by Atlantic Renewables:	12
Provisions and services to be provided by the Main Contractor/Client.....	13
Quotation Qualifications	15
Labour Schedule.....	16
Additional Information about your Quotation	18
Customer Warranty for Installation Services	19

Company Accreditations

Atlantic Renewables is a member of various Certification bodies to ensure full compliance to all relevant industry standards and to promote a professional and Safe working environment for our staff and customers.

Accreditations:

- Microgeneration Scheme (MCS) Accredited Member No: NAP25459
- Mitsubishi Installer – Partner Number 10121
- SSiP SMAS Worksafe Contractor – Certificate No: 96182
- RECC Member Number: 00051719
- Approved Electrician Member No: NAP25459
- Solar Edge Advanced Installer Certified
- LG Chem Battery Installer Certified
- Trustmark Government Endorsed Quality; License No; 1925117



Renewable Energy Consumer Code which is backed up by the Trading Standards Institute. Our Registration number is 00051719. Further information can be found at www.recc.org.uk



As an approved accredited MCS Installer, Atlantic Renewables is audited annually to ensure that our procedures and installations are to the highest standard of the Microgeneration Scheme. Our registration number is NAP25459. More information can be found at www.microgenerationcertification.org



Quoted Cost Breakdown

Total Cost - £13,200.10 + 20% VAT

Solar PV System size Quoted: 8.28kWp

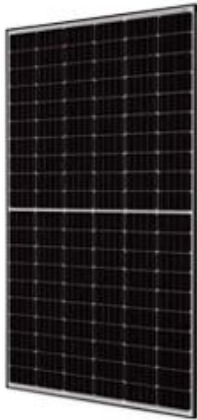
It should be noted that this quote is subject to stock availability, should stock become unavailable then the client will be informed and suitably advised.

Payment Timeframes

TBC

Main System Components for the above cost are provided below:

JA SOLAR



Number Solar Panels: 18

Output: 460W

Make: JA Solar panels

MCS Certified

Tier 1 Manufacturer

Split Cell Technology

Monocrystalline PERC High Efficiency

12-year warranty

25-year performance guarantee

SG Series
FIFTH GENERATION



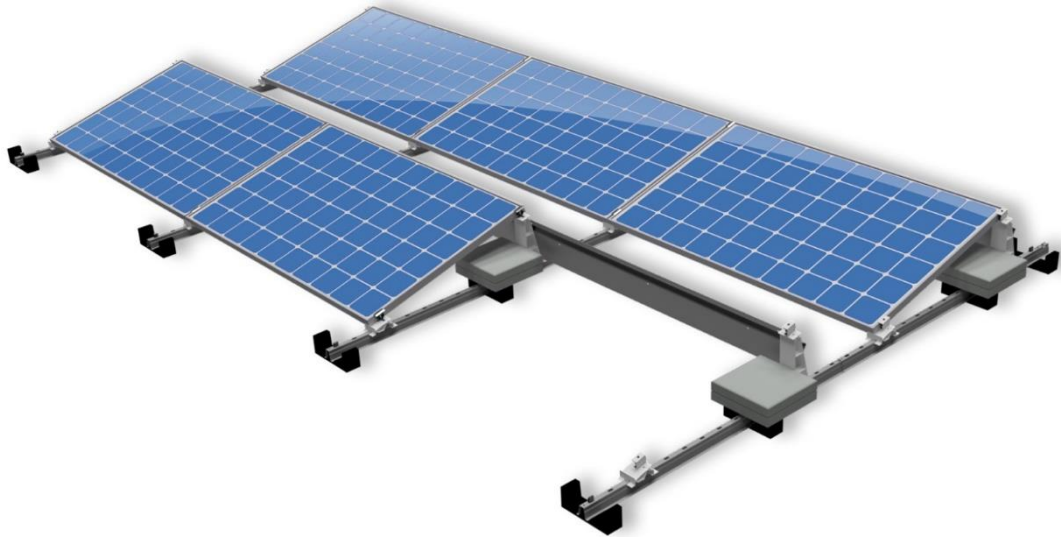
Solis Inverter(s)

5-year warranty (Extendable to 20 years)

Online monitoring Available – WIFI required

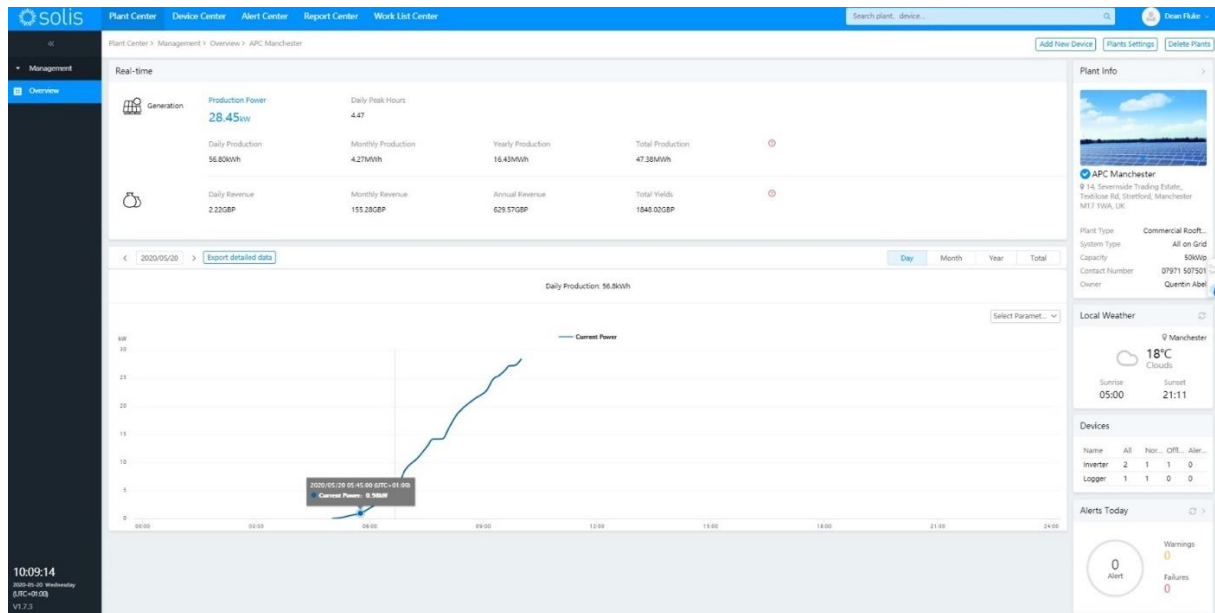
Ballasted Mounting System

A-frame ballasted mounting system using 10–20-degree angles stainless steel & aluminum with Roof membrane compatible barrier system. With minimum 10-year warranty. Full wind loading and weight calculation TBC by Atlantic Renewables Design Engineer.



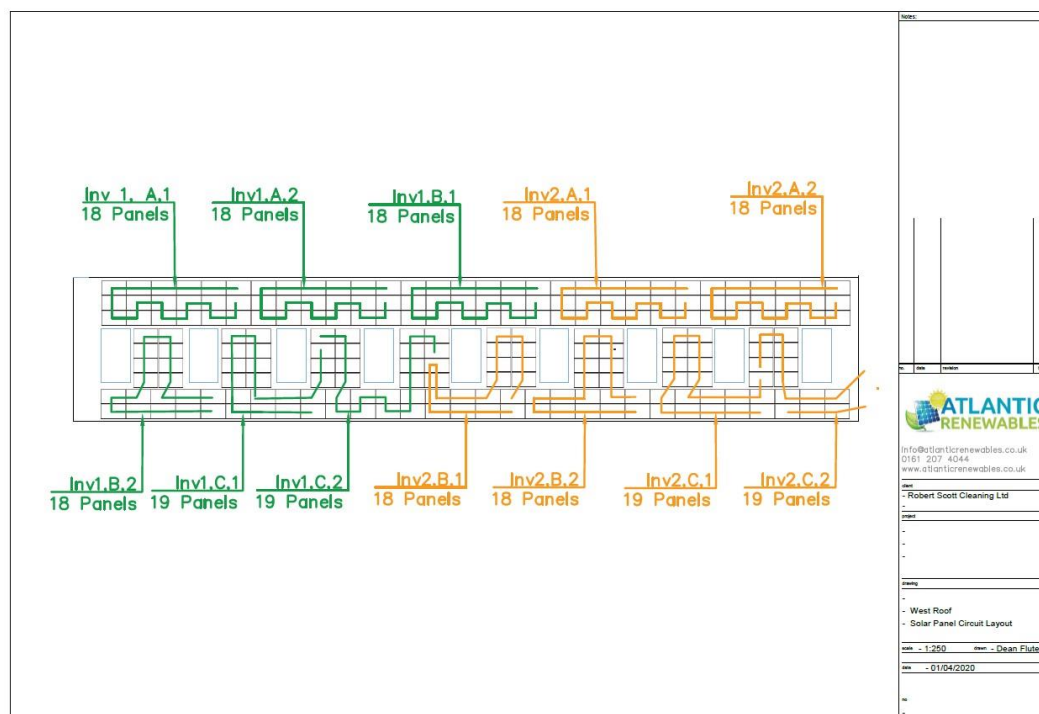
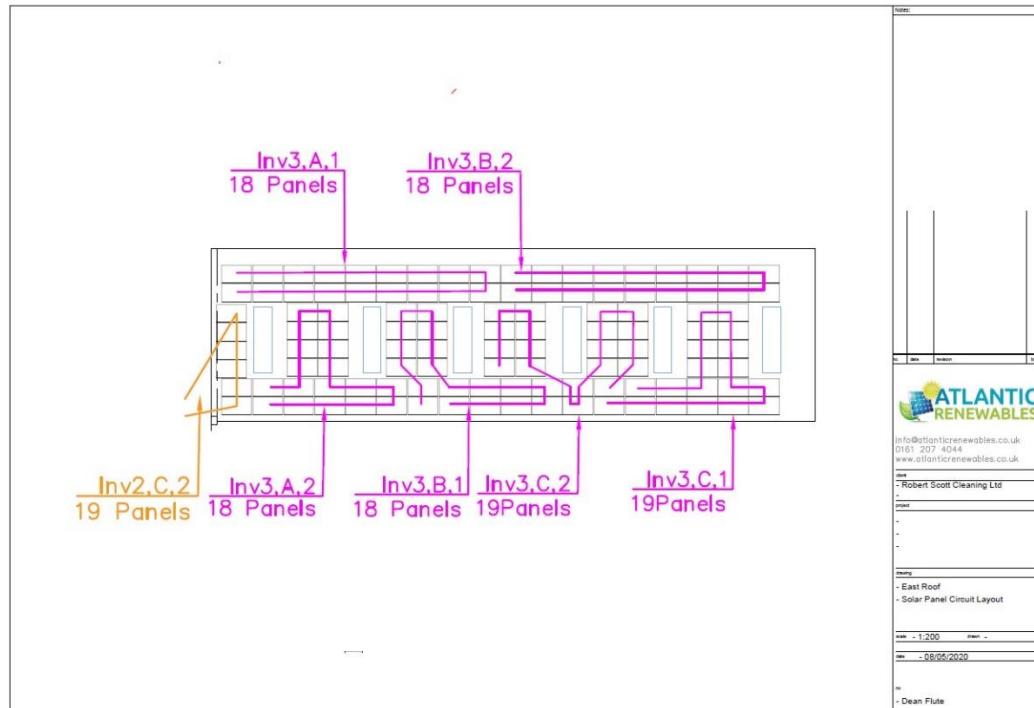
Solis Inverter Online Monitoring

Solis Online Monitoring Demonstration below. This is provided free of charge with the installation. Photo shows an example Atlantic Renewables' Customers' Solis Monitoring Platform from point of view of the installer. Great for fault diagnosis and remote system health checks.



Example Solar Panel Circuitry Plans

Below are example Solar string pans which will be provided to the customer and also made visible on site next to the Inverter. The plans are included within the price as part of the service provided by Atlantic Renewables.



Additional cost Summary:

For the purpose of clarity, from this point on all additional items quoted within this document are provided at an additional cost to the Quoted Cost Breakdown (page 4).

Additional cost for alternative Solar Panels:



18 x 450W LG Solar panels,

Monocrystalline

Tier 1 Manufacturer

Made in South Korea

Silver Frame

25-year warranty & 25-year performance guarantee

+ £950 + VAT on top of total Cost

Additional cost for alternative Inverters:



Solar Edge Power Optimisers (1 optimiser per 1 panel) & Solar Edge Inverter

Online monitoring of each solar panel.

12-year Inverter warranty (Extended Warranty; up to 20 years)

25-year Optimiser Warranty.

Manufactured in Israel.

Online monitoring Available – WIFI required

Each Solar Panel performs independently with Safe DC technology – enables safe isolation of PV modules at each solar panel.

When the Solar Edge system is shut down each optimizer only produces 1VDC – Mitigating any Fire/Safety Risk

+ £2,800 + VAT on top of total Cost



Solar Edge Monitoring Overview

Below are some images taken from Atlantic Renewables Solar Edge Monitoring Portal, this information can be displayed on an internet connected TV Screen monitor. The client/M&E Contractor must provide the TV Screen monitor (Atlantic Renewables can provide a separate cost for supplying and mounting a TV Screen Monitor) and ensure it has Internet Connection.

The Dashboard

solar**edge**

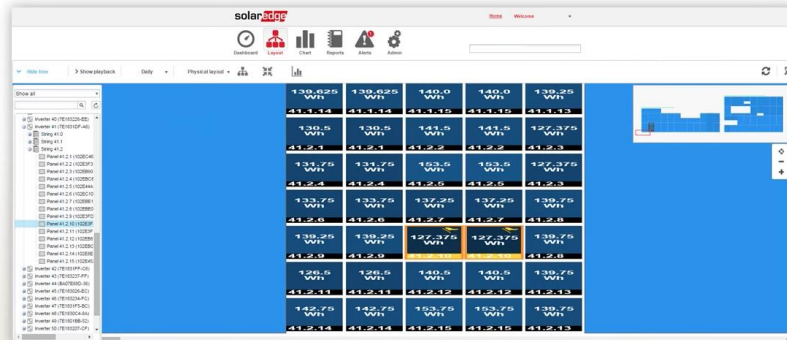


The dashboard displays important site data at a glance

©SolarEdge

Alerts

solar**edge**



Pinpointed alerts show the specific fault location, fault description and fault status

©SolarEdge

Main System Components & Services Provided by Atlantic Renewables:

Each Solar PV System Installed by Atlantic Renewables comes with the following services as part of the cost below:

1. 2-year installation warranty
2. DC Test Sheets for the Solar PV System
3. Hand Over Certificate – Listing all component and serial numbers
4. All Solar Panel mounting kit (10-year manufacturer's warranty), nuts, bolts, screws etc.
5. DC Cabling & Containment from Inverter location to Solar Panels
6. All installation work carried out by Atlantic Renewables trained staff.
7. AC Cabling: from AC Isolator to Inverter(s), to be installed by Atlantic Renewables.
8. Solar Inverter; Supply & Installation of Inverter by Atlantic Renewables
9. Solar Panels; Supply & Installation of MCS Certified Solar Panels.
10. No Allowance for CIS Deductions has been made on this quote – any deductions should be communicated with Atlantic Renewables so that the quote can be re-adjusted.
11. DNO/Grid Application under G99 Grid regulations to be made on behalf of customer by Atlantic Renewables. A letter of consent must be signed by the customer, which will enable Atlantic Renewables to act on behalf of Neenah during Grid consent application. Grid services provided by Atlantic Renewables are Free of charge & included in the above quoted cost. Any cable upgrade fees or application fees to the National Grid are to be paid by Customer.

Provisions and services to be provided by the Main Contractor/Client

1. **AC Isolator at Solar Inverter location** – This is to be a suitably rated 3-Phase rotary isolator (Lockable in Off position). This is to be supplied by the Main M&E contractor and have the 5-core SWA cable terminated into it.
2. **AC Cabling** – This is to be supplied by the main electrical contractor, unless specified otherwise. Supply & Installation of SWA 5-Core Cable from Main board to AC Isolator location – from which Atlantic Renewables can connect inverter supply & 3 phase MID Approved Generation meter to. This must be suitably sized to meet the peak (kWp) Inverter(s) Generation Capacity & relevant installed distance. Atlantic Renewables can assist in the correct specification.
3. **Edge Protection/Scaffolding/Access/Netting** – to the roof area is to be provided by the Main contractor. Must be in place throughout the installation process, to comply with HSE legislation.
4. **Materials handling** – All access (Scaffolding) & materials handling equipment (cranes/hoist) required to access the designated roof area(s) are to be provided under the responsibility of the main contractor. Provisions for lifting equipment have not been included in the Atlantic Renewables quotation. Solar Panels, Solar Panel mounting equipment & Inverter are to be lifted to the Solar Panel installation area by the Main Contractor.
5. **Inverter Mounting Location** – Assumes that the inverter is located within 10m of the PV Panels.
6. **Roof penetrations for DC Cabling** – Cables to be routed from the roof. Mounted solar array might need to get to an inverter location on a floor riser below or through a wall. Water proofing should be provided by the main contractor or roofing contractor to not compromise warranties.
7. **Generation Meter** – If the inverter is mounted externally then a generation meter will need to be installed in a waterproof IP65 Rated enclosure or internally. The quotation provided is on the basis that the Inverter is mounted internally. Any variance from the agreed project scope will be discussed and negotiated.
8. **DNO Project Approval** – to be obtained from the grid under G98/99 Regulations by the main contractor/electrical contractor. Where required Atlantic Renewables can assist.
9. **DNO Costs** – No costs have been allowed by Atlantic Renewables

10. **Required Project start Notice** – Atlantic Renewables require at least 2 calendar weeks' notice from the day site installation works are required. Atlantic Renewables will endeavour to be on site as soon as practicably possible.

Quotation Qualifications

1. **Onsite Project liaison** – A pre-start project meeting may be required on-site to finalise all project requirements & facilitate finalisation of the design & system layout. Any variance from the agreed project scope will be discussed and negotiated.
2. **Pre site works survey** – Atlantic Renewables have the right to carry out a site survey at least 1 week prior to works execution.
3. **Site induction** – All Atlantic Renewables personnel will be taken through a site induction on day 1 of installation by site manager.
4. **Prevention of works** – If Atlantic Renewables attend site to carry out installation works and are prevented from doing so as a result of circumstances outside of Atlantic Renewables control, an abortive visit charge may be charged at a rate of £550 per person per day.
5. **Installation Period** – The overall installation elapsed time will be no more than 6 months from commencement of the sub-contract works.
6. **Solar Panel availability** – Please be aware that our quotations are subject to availability at the time of quotation. In the event of product discontinuation Atlantic Renewables always strive to provide a like-for-like product or a better alternative if this is not possible. Solar PV modules are part of an international market and as a result availability can change with market forces.

Labour Schedule

Installation timescale schedule: Installation works have been estimated at: 3-5 days, in line with Atlantic Renewables program below:

1. Installation of roof mounting system, Solar PV Panels & DC Cabling into DC Isolators
2. Installation of Inverter close to Solar Panel location, DC Cabling & AC Isolator connection
3. Final connection to AC electrical system, testing & commissioning.

Kind Regards



Dean Flute

Director

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Email: dean.flute@atlanticrenewables.co.uk



Follow us on Twitter: @atlanticrenewab



Like us on Facebook: Search 'Atlantic Renewables'

Additional Information about your Quotation

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.

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

Customer Warranty for Installation Services

The Warranty sets out the terms upon which Atlantic Renewables offers warranty cover for the Products supplied by it to its Customers, and for the installation services provided by Atlantic Renewables Registered Installers. Terms defined in Atlantic Renewables Terms and Conditions bear the same meaning when used in this warranty. Your attention is drawn to Atlantic Renewables Terms and Conditions, which includes provisions relevant to the warranty set out below.

1. Installation services

1.1. Atlantic Renewables warrants to you that the Installation Services will be performed by the appropriately qualified and trained Atlantic Renewables Registered Installers using reasonable care and skill, to such high standard of quality as it is reasonable for you to expect.

1.2. The Warranty Period for the Installation Services shall be for a total of 2 years from completion of the Installation Services. This cost is not subject to any hourly rate charge. It should be noted that if remedial works are required that are as a result of work carried out by Atlantic Renewables then zero additional costs will be incurred or charged to the customer. However, if it is found that remedial works are required that are not as a result of Atlantic Renewables then the customer will be quoted a price for any works/remedial action before any works are carried out.

2. Remedial Action

2.1. If you make a valid claim about our service in accordance with Atlantic Renewables Terms and Conditions, Atlantic Renewables may arrange for the relevant Products to be reinstalled by any of Atlantic Renewables 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. Exceptions

3.1. This Warranty will only apply:

3.1.1. If the Product has been installed by an Atlantic Renewables Registered Installer and has been properly used and maintained throughout the Warranty Period.

3.1.2. If you have informed Atlantic Renewables of the alleged defect within the Warranty Period and within a reasonable period of discovery.

4. General conditions

4.1. You will promptly provide all information and support including access to site and services) reasonably necessary to enable Atlantic Renewables to evaluate any alleged defect and to perform its obligations under this Warranty.

4.2. You agree 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. Expertise

5.1. Any dispute as to whether a defect is covered by this warranty shall be immediately referred at the request of either party to the RECC Assurance Scheme (RECC) Conciliation Service as detailed in the RECC Consumer Code.

6. Third Party Rights

6.1. When Atlantic Renewables has 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. Law

7.1. 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. Manufacturer's Product Warranty

8.1. Most Products supplied by Atlantic Renewables come with the benefit of a manufacturer's product guarantee. Where a claim in respect of any of the Products is notified to Atlantic Renewables by you in accordance with the Atlantic Renewables Terms and Conditions, Atlantic Renewables 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).