

System Hand Over Summary Document

Project no: 220407

Client Name: General Projects – Florentia Village

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System Data

The following section outlines the basic system information for the 273.71 kWp photovoltaic (PV) system we have installed. The Solar PV installation has been designed in accordance with the [‘Guide to the Installation of photovoltaic systems 2012’](#), which is published the Microgeneration Certification Scheme. ISBN: 978-0-9574827-1-5 (Electronic Copy).

Key Components

System Size (kWp):	273.71 kWp
Modules:	JA Solar JAM66S30-505MR Modules
Number of Modules:	542
Inverters:	Inverter 1 – Roof A&B 1 Solis S5 GC 60k Serial Number: 1812092249100025 Inverter 2 – Roof C 1 Solis 80k 5G Pro Serial Number: 1018FE0244210014 Inverter 3 – Roof D 1 Solis 100k 5G Pro Serial Number: 1016030231140106 Total AC Power: 240kW
Meter(s):	Meter 1 – Roof A&B Emlite EMPI.cx Serial No. EML2436354522 Meter 2 – Roof C Emlite EMPI.cx Serial No. EML2436354521 Meter 3 – Roof D Emlite EMPI.cx Serial No. EML2436354520
Commission Date:	18/04/2025
Eden Designed Estimated System Output:	238,547 kWh/year
Eden Designed Estimated CO2 Saving*:	49,373 kg/Year

System Hand Over Summary Document

*CO2 savings based on 0.2329 kgCO₂/kWh

Estimated Systems Performance Using SEM

The following table indicates the estimated yield of the system using Standard Estimation Methodology (SEM), outlined in 'Guide to the Installation of Photovoltaic Systems 2012'.

System Size	273.71	kWp
Predicted Output	238,547	kWh/yr
Predicted CO ₂ saved*	49,373	kg CO ₂ /yr

*CO₂ savings based on 0.2329 kgCO₂/kWh

Standard energy prediction disclaimer:

"This system performance calculation has been undertaken using estimated values for array orientation, inclination or shading. Actual performance may be significantly lower or higher if the characteristics of the installed system vary from the estimated values."

Health & Safety

Solar PV systems can be hazardous if not operated correctly. Your system has been designed to minimise operational risks, but care should be taken by any persons who may carry out work in your buildings where the solar PV system is installed.

The DC circuit of the system, which includes the solar modules, DC cabling, DC Isolation Switches and the Inverters should only be inspected and maintained by qualified and competent persons.

In your handover pack advice is given on how to isolate the system from the AC electrical system and the DC circuit of the system from the inverter, including by using DC switches mounted on the roof (if installed) so that the cables which carry the DC power from the modules to the inverters in the building can be isolated.

During the in-person site handover, responsible persons in your organisation will be trained in how to safely isolate the system.

The solar modules themselves cannot be isolated, and, during daylight the cables directly under the solar modules will be live. The DC cables running through the buildings will always be live during daylight (unless isolated on the roof) and therefore present a risk which may be overlooked by other tradesmen working in the building who may believe that they have isolated the electricity supply. All your DC cables will be correctly and clearly labelled.

The inverters are compliant with the regulations pertaining to systems that generate power in parallel to the National Grid and therefore will disconnect themselves automatically from the AC electrical system should there be a loss of AC power to them, either from a power cut, or if the AC supply is deliberately or otherwise isolated.

For any queries relating to the safety of the system please contact Eden on the contact information supplied on the cover page of this document.

Operation & Maintenance

Data

PV systems have low maintenance requirements. However, periodic maintenance routines carried out by the end user can identify faults early and avoid downtimes, which, in turn, maximises the system yield. We have included an O&M Manual for your system in your handover pack.

We strongly recommend you take out an Operation and Maintenance agreement (O&M) with Eden. Please email enquiries@edensustainable.co.uk to discuss your options and for a detailed quotation.

Some insurance companies are insisting on solar PV owners entering into this type of agreement as it ensures the system is correctly maintained and there is daily monitoring along with a regular health check/inspection.

Our standard O&M agreement includes the following features and benefits:

- Daily system monitoring.
- Monthly reporting on performance and faults.
- Auto fault or low performance alarms directly sent to us.
- Agreed and guaranteed response times to faults.
- Performance guarantee with financial penalty if yields are not.
- Annual health check, testing and inspection.
- Unlimited call outs.
- Dedicated help centre.
- All labour costs for replacement of failed equipment.
- Annual report with recommendations such as cleaning, new technology etc.
- Equipment warranty manufacturer support.

Warranty

Eden Warranty Information

Eden guarantees all workmanship for two years from date of commissioning and will promptly investigate and fix any faults arising from workmanship defects during your warranty period. Should any issues arise, or you have any queries, please contact Eden's project department, contact details are on the cover page of this document. Warranty information for the panels is included in the shared folder we have provided you with access to.

All equipment is covered by the specific manufacturer's warranty. During your workmanship defects liability Eden will ensure that in the event there is an equipment failure, Eden will engage with the specific manufacturer on your behalf to obtain a replacement/repair of the faulty product, this is carried out in accordance with the Supply of Goods and Services Act (1982).

Any labour, investigation or access costs associated with equipment failure will fall due.

Exclusions to Guarantee:

This guarantee will become null and void if:

- The PV system is damaged by a third party not authorised by Eden to carry out works on the system.
- The case of Force majeure events (e.g. fire, terrorism, vandalism etc.)

What Happens Next?

- Now your System has now been commissioned, Eden will contact your Distribution Network Operator and inform them that your Solar PV Installation is complete and commissioned. **We will require a signature from you to complete this process.** This notification is a requirement of the connection agreement between you and the Electricity Network that ensures your system is permissible to generate electricity in parallel with the National Grid.
- If you are not using all your solar generated energy and therefore you are going to be exporting energy onto the local electricity network, you may wish to set up an export agreement so that you can benefit from the export revenues. Please refer to the instructions below.

How to set up your export agreement:

Organising the Export MPAN

For a cost of £1000 Eden would be happy to carry out the below process on your behalf.

When Eden made your initial DNO application we would have requested your Export MPAN from the DNO. If we have not supplied this in your DNO shared folder, please request this from your Eden account manager.

The details in yellow below can be provided on request and are required to complete your export agreement application.

1. The DNO has now supplied your export MPAN details and we can confirm:-
 - a. the meter number is **1050003034372**
 - b. your site KVA 240kW
 - c. the site is CT metered, and the CT ratio is 100/5 Inverter 1, 200/5 Inverter 2 and 200/5 Inverter 3
2. Please ask your energy supplier or broker if you have an existing **MOP (Meter Operator Provider) and DA/DC (Data Aggregator/Data Collector)** contract for your import supply.
3. If so, you need to contact your MOP and obtain a quote for onboarding your export meter onto the same agreement.
4. If the answer is, no, please set up a new MOP for import/export, we recommend WPD Smart Metering. See link for other MOP providers <https://meteroperators.org.uk/members/>. Your MOP will be able to organise a new Export Meter installation or the Export Channel on your existing import meter to be opened.
5. Once the MOP is set up for import/export, then you can approach your chosen export PPA provider (we recommend Good Energy smartgen@goodenergy.co.uk).
6. When requesting your quote from your chosen export PPA provider, they will need the following information:
 - a. the export MPAN(s)
 - b. the estimated export in kWh per year.
 - c. Tech Type = Solar PV
 - d. Total Installed capacity 273.71 kWp
 - e. Declared Net capacity 264 kVA
 - f. Total Generation 238,547 kWh/Yr
 - g. Expected export 238,547 kWh/Yr
7. Your chosen PPA Provider will provide a form similar to the one below.
8. Please then return the signed quote and completed form to your chosen provider.



SmartGen Export MPAN Registration Form

Once you have received your export MPAN and have your metering contracts in place, please complete and return the following details (with your signed payment schedule) to enable us to register your export MPAN and arrange a meter installation appointment. This takes approximately 20 working days.

Generator ID (if you have registered for FIT previously)

This is generally not relevant

Customer correspondence address & email

Site address (if different)

Your contact details

Site contact details

Import MPAN

Export MPAN

Please refer to your electricity bill.

Please refer to 1a.

Generator Technology

Solar PV

DNC (Declared Net Capacity)

TIC (Total Installed Capacity)

Please refer to point 6e.

Please refer to point 6d.

Site kVA (found on your grid connection agreement or through your installer)

Please refer to point 1b.

Is the site CT (current transformer) or WC (whole current) metered? (This information is available from your DNO)

CT Ratio (if applicable)

Please refer to point 1c.

Please refer to point 1c.

Meter Operator - you will need to have an export MOp contract in place prior to MPAN registration

Details of your chosen MOp

DA/DC (data aggregator/collector) - by default we will appoint one on your behalf, unless you have a pre-arranged contract

Please advise details if you have a pre-arranged contract

Site contact details (name and phone number for meter installation appointment)

Please complete contact details

Good Energy collects your personal information contained within this form when you register with us for our products or services. We will use this information to provide the services requested and to maintain our records. Good Energy will not share your information for marketing purposes with companies outside Good Energy Ltd. Your information will only be stored in our own databases. It will be retained in line with our privacy policy, which can be found on our website at www.goodenergy.co.uk/privacy-policy

Equipment Warranties

Equipment model	Manufacturer	Manufacturer details	Duration
MODULES JAM66S30-505 MR	JA Solar	JA Solar Holdings Ltd Building 8, Noble Center, East Auto Museum Road, Fengtai District, Beijing 100160, China Tel: +86 10 6361 1888 Fax: +86 10 6361 1999 E-mail: sales@jasolar.com	12 years
INVERTER 1 Solis S5-GC60K 1 Solis 80K 5G PRO 1 Solis 100K 5G PRO	Solis	No. 57 Jintong Road, Binhai Industrial Park, Xiangshan, Ningbo, Zhejiang, 315712, P.R. China euservice@solisinverters.com www.solisinverters.com +44 113 328 0870	5 years
MOUNTING S-Flex Trap	S-Flex	S:FLEX GmbH • Reinbeker Weg 9 21029 Hamburg Tel. +49 - (0)40 - 18 15 46 13 • Elsässer Str. 12 D-79189 Bad Krozingen Tel. +49- (0)761-888 56 08-0	10 years
METER Emlite MC12 EMP1.cx	EMLITE	Em-Lite Ltd, 1 Steven Way, Peterborough, PE1 5EL	12 months

Troubleshooting

How do I know if I have a fault?

- Keep an eye on your generation meter or your monitoring portal and note down results periodically.
- If your generation over the month is more than 20% lower than the expected, then there may be a problem.
- If your generation is less than expected, please look at your inverter. Depending on the manufacturer, faults are highlighted in different ways. Please see inverter guide for details.
- Some monitoring platforms will automatically notify you if it detects a fault or low performance.
- There could be a connection issue rather than an equipment fault. Please compare your inverter manufacturers portal with your generation meter monitoring portal.

What should I do if I have a fault?

Contact Eden on the contact details provided on the cover sheet.

Summary of Information Supplied

We have shared a folder with you, below is a summary of the information contained in the folder structure.

- Grid
- Design
- Installation and Commissioning
- Equipment Information
- Warranty Information
- O&M Manual
- Monitoring
- Site Photos

