

Contractor's Name:	Fuzed Electrical & Mechanical Services Ltd		
Contractor's Address:	8D Commercial Point, Mullacott Industrial Estate, Ilfracombe, Devon, EX34 8FH		
Client's Name:	Eden Sustainable		
Installation Address:	Florentia Clothing Village 108 Vale Rd, Harringay Warehouse District, London N4 1TD		
Project Number:	220407	Commission Date:	09/03/25
Commissioned By:	Kieran Randall	Signature:	

The purpose of commissioning is to ensure that the array is **safe**, working normally and installed with the required standards including manufacturers' requirements. Items in **red** indicates a critical area of **fire safety**. For advice or support ring the technical support team.

Number of Panels:	542 (273.71 kWp)			
Panel Make and Model:	JA Solar JAM66S30 (505w)			
Mounting System:	S-Flex			
Roof Covering:	Trapezoidal			
What is the type of the array?	Pitched	/	Ground Mounted	
	Flat Roof		Other	
What is the orientation of the panels (tick both if mixed)	Portrait		Landscape	/
Panels fixed on long or short side?	Long	/	Short	
Are panels fixed within the manufacturer's fixing zones?	Yes	/	No	
Is the tolerance to ridge/verge/gutter acceptable?	Yes	/	No	
Is there any obvious shading?	Yes		No	/
Does the array project less than 200mm from the plane of the roof?	Yes		No	/

Test Equipment	Serial Number
Multi-meter (DC Voltage & DC Current)	Seaward PV200 18Q-1305
Light Meter	Seaward PV200 18Q-1305 – Solar Survey 200R
Multifunction Tester (Electrical Tester)	N/A
Temperature Tester	Seaward PV200 18Q-1305 – Solar Survey 200R

General Installation (Electrical – ref)	Yes	No	N/A
Equipment compliant with standards, correctly selected & not damaged	/		
Equipment accessible for operation, inspection & maintenance	/		
Equipment and accessories correctly connected	/		
Particular protective measures for special location	/		
Equipment and protective measures appropriate to external influences	/		
System installed to prevent mutual detrimental influence	/		
Conductors connected and identified	/		
Conductors selected for current carrying capacity and voltage drop	/		
Conductors routed in safe zone or protected against mechanical damage	/		
Presence of fire barriers, seals and protection against thermal effects	/		
Ventilation provided behind array to prevent overheating / fire risk	/		
Array frame and material corrosion proof	/		
Array frame correctly fixed and stable (e.g. roof fixing weatherproof)	/		
Cable entry weatherproof	/		
Live parts insulated, protected by barrier/enclosure, placed out of reach or class II	/		
Array frame equipotential bonding present (<i>only relevant if required</i>)	/		
Surge protection devices present (<i>only relevant if required</i>)	/		
RCD provided (<i>only relevant if required</i>)			/
Frame correctly integrated with existing LPS installation			/
Physical separation of A.C. and D.C. cables	/		
D.C. switch disconnecter fitted	/		
D.C. cables – protective and reinforced insulation (<i>only relevant if required</i>)	/		
All D.C. components rated for operation at max D.C. system voltage (Voc STC x 1.15) (ISC STC x 1.25)	/		
PV strings fused or blocking diodes fixed (<i>only relevant if required</i>)	/		
A.C. isolator lockable in off position only	/		
Inverter protection settings to location regulations (English, G98/G99)	/		
Generation meter sealed	/		
General labelling of circuits, protective devices, switches & terminals (To IEC60364-6-61)	/		
PV system schematic displayed on site	/		
Protective settings and installer details displayed on site	/		
Emergency shutdown procedure displayed on site	/		
A.C. isolator clearly labelled	/		
D.C. isolator / junction boxes suitably labelled	/		
Signs & labels suitably affixed and durable	/		

Metering & Monitoring			
Property MPAN Number	TBC		
Generation Meter Serial Number	N/A		
Initial Reading	N/A		
Export Meter Serial Number	N/A (Existing)		
What is the monitoring system installed?	TBC		
eMIG Pelican			
Complete eMIG Meter Installation Form supplied with Pelican Unit.			
eMIG Meter			
Modem Number <i>(printed on a label fixed to back of modem)</i>	TBC		
SIM Number <i>(printed on the SIM card – remove the terminal cover to access the SIM)</i>	TBC		
Data Logger			
Make	N/A		
Model	N/A		
Serial Number(s)	N/A		
List of Monitored Equipment	N/A		
How is the data-logger connected to the internet? <i>(i.e. LAN, cellular modem)</i>	N/A		
Cellular Modem Make & Model	N/A		
Cellular Modem Serial Number	N/A		
Cellular Modem SIM Number <i>(if not internal)</i>	N/A		
Solis			
Inverter Serial Number(s)	Block A/B – 1812092249100025 Block C – 1018FE0244210014 Block D – 1016030231140106		
How is the inverter /CCG connected to the internet <i>(i.e. LAN, cellular modem)</i>	TBC		
Cellular Modem Make & Model	TBC		
Cellular Modem Serial Number	TBC		
Cellular Modem SIM Number <i>(if not internal)</i>	TBC		
Has the optimiser map been recorded?	Yes		No N/A

String Test Results and Related Equipment

Inverter Make / Model		Solis S5-GC60k																
Inverter Serial Number		Block A/B (No.1) – 1812092249100025																
String No.	1.1.1	1.1.2	1.2.1	1.3.1	1.3.2	1.4.1	1.4.2	1.5.1	1.5.2	1.6.1								
No. of panels	14	14	14	16	16	16	16	16	16	14								
Voc (STC)	45.72	45.72	45.72	45.72	45.72	45.72	45.72	45.72	45.72	45.72								
Isc (STC)	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00								
Voc (V) measured	569	593	596	687	684	686	683	688	598	681								
Isc (A) measured	11.48	11.41	4.86	7.58	8.57	9.68	9.09	7.83	9.84	9.69								
Temp (°C)	16	16	16	16	16	16	16	16	16	16								
Irradiance (W/m²)	980	980	980	800	800	800	800	800	800	800								
DC Conductor Size (mm²)	6	6	6	6	6	6	6	6	6	6								
Inverters set to G98 or G99	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM								
English Language (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y								
DC Array Insulation																		
Test Voltage (V)	1000	1000	100	1000	1000	1000	1000	1000	1000	1000								
Pos – Earth (MΩ)	117	116	125	153	144	129	135	148	133	123								
Neg – Earth (MΩ)	117	116	125	153	144	129	135	148	133	123								
Pos – Neg (MΩ)	117	116	125	153	144	129	135	148	133	123								
Measured Voltage to Earth (V)	0	0		0	0	0	0	0	0	0								
Comments & Further Information																		

String Test Results and Related Equipment																	
Inverter Make / Model	Solis – 5G 80K PRO																
Inverter Serial Number	Block C (No.2) – 1018FE0244210014																
String No.	2.1.1	2.1.2	2.2.1	2.2.2	2.3.1	2.3.3	2.4.1	2.4.2	2.5.1								
No. of panels	18	18	18	18	18	18	18	18	18								
Voc (STC)	45.72	45.72	45.72	45.72	45.72	45.72	45.72	45.72	45.72								
Isc (STC)	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00								
Voc (V) measured	803	789	739	787	795	791	787	787	781								
Isc (A) measured	3.46	3.44	4.03	6.53	6.93	7.29	7.24	7.27	6.79								
Temp (°C)	16	16	16	16	16	16	16	16	16								
Irradiance (W/m ²)	520	520	520	810	810	810	810	810	520								
DC Conductor Size (mm ²)	6	6	6	6	6	6	6	6	6								
Inverters set to G98 or G99	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM								
English Language (Y/N)	y	y	y	y	y	y	y	y	y								
DC Array Insulation																	
Test Voltage (V)	1000	1000	1000	1000	1000	1000	1000	1000	1000								
Pos – Earth (MΩ)	57	164	162	125	143	155	162	67	156								
Neg – Earth (MΩ)	57	164	162	125	143	155	162	67	156								
Pos – Neg (MΩ)	57	164	162	125	143	155	162	67	156								
Measured Voltage to Earth (V)	0	0	0	0	0	0	0	0	0								
Comments & Further Information																	

String Test Results and Related Equipment													
Inverter Make / Model		Solis 100kW											
Inverter Serial Number		Block D (No.3) – 1016030231140106											
String No.	3.1.1	3.1.2	3.2.1	3.2.2	3.3.1	3.3.2	3.4.1	3.4.2	3.5.1	3.5.2	3.6.1	3.7.1	3.8.1
No. of panels	18	18	18	18	18	18	18	18	18	18	16	16	16
Voc (STC)	45.72	45.72	45.72	45.72	45.72	45.72	45.72	45.72	45.72	45.72	45.72	45.72	45.72
Isc (STC)	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
Voc (V) measured	777	775	780	789	792	790	793	786	786	785	695	694	689
Isc (A) measured	2.28	2.02	2.36	3.15	3.68	3.55	5.36	4.77	4.65	4.56	4.09	4.70	4.20
Temp (°C)	16	16	16	16	16	16	16	16	16	16	16	16	16
Irradiance (W/m²)	389	389	389	389	389	624	753	730	730	730	600	600	600
DC Conductor Size (mm²)	6	6	6	6	6	6	6	6	6	6	6	6	6
Inverters set to G98 or G99	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM
English Language (Y/N)	y	y	y	y	y	y	y	y	y	y	y	y	y
DC Array Insulation													
Test Voltage (V)	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Pos – Earth (MΩ)	61	77	70	71	73	85	88	97	168	109	174	169	118
Neg – Earth (MΩ)	61	77	70	71	73	85	88	97	168	109	174	169	118
Pos – Neg (MΩ)	61	77	70	71	73	85	88	97	168	109	174	169	118
Measured Voltage to Earth (V)	0	0	0	0	0	0	0	0	0	0	0	0	0
Comments & Further Information													







