

COMMISSIONING / TEST CERTIFICATE FOR GRID-TIE INSTALLATION

SSEG-CERT



DATE OF TEST :

Additional Test Sheet No

of COC No

CERTIFIED BY :

DATE :

PROFESSIONAL REG NO :

ACCEPTED BY MES :

DATE :

Address covered by this test :

Stand no :

**The person issuing the Certificate of Compliance for this installation takes full responsibility for the quality of power to be injected into the grid.*

GENERAL COMMENTS PERTAINING TO TEST							
1	Current Connection Type	60A		80A		3 x 60A	
2	Connection Downgraded	Yes		No			
3	New Connection Type	60A		80A		3 x 60A	
4	Phase	Single		3 Phase			
5	Reverse feed connection to phase (3 Phase)	Red		White		Blue	
6	AMF	Stand alone		Build In			
7	AMF Functionality tested, in working order	Yes		No			
8	AMF delay of 20 minutes programmed	Yes		No		If no, MES to connect LM	
9	On Load System Voltage						
10	Backfeed limiter settings (kW)						
11	Pure sine wave	Yes		No			

COMMENTS	

SOLAR INVERTER

SOLAR INVERTER		UNITS	DETAILS
1	INVERTER MANUFACTURER		
2	MODEL NUMBER AND SERIAL NUMBER		
3	SPECIFY TYPE OF INVERTER:GTI, HYBRID, OFF-GRID		
4	MAX PV GENERATION POWER	W	
5	Vmax PV	Vdc	
6	MPPT voltage range	Vdc	
7	BATTERY RATED VOLTAGE	Vdc	
8	BATTERY VOLTAGE RANGE	Vdc	
9	BATTERY MAX CHARGE/DISCHARGE CURRENT	Adc	
10	BATTERY TYPE AND CAPACITY	kWhr	
11	GRID/BACK-UP RATED VOLTAGE	Vac	
12	GRID/BACK-UP FREQUENCY	Hz	
13	GRID OUTPUT RATED CURRENT	Aac	
14	GRID OUTPUT MAX APPARENT POWER	KVA	
15	GRID INPUT RATED CURRENT	Aac	
16	GRID INPUT RATED APPARENT POWER	VA	
17	BACK-UP RATED APPARENT POWER	VA	
18	INSTALLED PV GENERATION POWER	W	

SOLAR ARRAY STRING 1

SOLAR ARRAY STRING 1		UNITS	SINGLE PANEL	STRING
1	PV MANUFACTURER			
2	TYPE			
3	NUMBER OF PANELS CONNECTED IN STRING			
4	PEAK POWER (Pmax)	W		
5	OPEN CURCUIT VOLTAGE (Voc)	V		
6	MAX POWER VOLTAGE (Vmp)	V		
7	SHORT CIRCUIT CURRENT (Isc)	A		
8	MAX POWER CURRENT (Imp)	A		
9	EARTH CONNECTIVITY OF ARRAY (TO EARTH SPIKE)	Ω		
10	EARTH CONNECTION TO SPD	Y/N		YES / NO
11	POLARITY OF DC CABLES CLEARLY MARKED	Y/N		YES / NO
12	PV ARRAY INSULATION TEST IF POSSIBLE	MΩ		
13	IRRADIANCE DURING TEST	W/m ²		
14	STRING CONNECTIVITY TO SUITABLE DC ISOLATOR	Y/N	YES / NO	
15	STRING CONNECTIVITY TO DC FUSE	Y/N	YES / NO	
16	ELECTRICAL INSULATION IS GOOD	Y/N	YES / NO	
17	NO DAMAGE TO CABLES DURING INSTALLATION	Y/N	YES / NO	
18	THE PROTECTIVE EARTH CONNECTION IS AS IT SHOULD BE	Y/N	YES / NO	

SOLAR ARRAY STRING 2

SOLAR ARRAY STRING 2		UNITS	SINGLE PANEL	STRING
1	PV MANUFACTURER			
2	TYPE			
3	NUMBER OF PANELS CONNECTED IN STRING			
4	PEAK POWER (Pmax)	W		
5	OPEN CURCUIT VOLTAGE (Voc)	V		
6	MAX POWER VOLTAGE (Vmp)	V		
7	SHORT CIRCUIT CURRENT (Isc)	A		
8	MAX POWER CURRENT (Imp)	A		
9	EARTH CONNECTIVITY OF ARRAY (TO EARTH SPIKE)	Ω		
10	EARTH CONNECTION TO SPD	Y/N		YES / NO
11	POLARITY OF DC CABLES CLEARLY MARKED	Y/N		YES / NO
12	PV ARRAY INSULATION TEST IF POSSIBLE	MΩ		
13	IRRADIANCE DURING TEST	W/m ²		
14	STRING CONNECTIVITY TO SUITABLE DC ISOLATOR	Y/N	YES / NO	
15	STRING CONNECTIVITY TO DC FUSE	Y/N	YES / NO	
16	ELECTRICAL INSULATION IS GOOD	Y/N	YES / NO	
17	NO DAMAGE TO CABLES DURING INSTALLATION	Y/N	YES / NO	
18	THE PROTECTIVE EARTH CONNECTION IS AS IT SHOULD BE	Y/N	YES / NO	

SOLAR ARRAY STRING 3

SOLAR ARRAY STRING 1		UNITS	SINGLE PANEL	STRING
1	PV MANUFACTURER			
2	TYPE			
3	NUMBER OF PANELS CONNECTED IN STRING			
4	PEAK POWER (Pmax)	W		
5	OPEN CURCUIT VOLTAGE (Voc)	V		
6	MAX POWER VOLTAGE (Vmp)	V		
7	SHORT CIRCUIT CURRENT (Isc)	A		
8	MAX POWER CURRENT (Imp)	A		
9	EARTH CONNECTIVITY OF ARRAY (TO EARTH SPIKE)	Ω		
10	EARTH CONNECTION TO SPD	Y/N		YES / NO
11	POLARITY OF DC CABLES CLEARLY MARKED	Y/N		YES / NO
12	PV ARRAY INSULATION TEST IF POSSIBLE	MΩ		
13	IRRADIANCE DURING TEST	W/m ²		
14	STRING CONNECTIVITY TO SUITABLE DC ISOLATOR	Y/N	YES / NO	
15	STRING CONNECTIVITY TO DC FUSE	Y/N	YES / NO	
16	ELECTRICAL INSULATION IS GOOD	Y/N	YES / NO	
17	NO DAMAGE TO CABLES DURING INSTALLATION	Y/N	YES / NO	
18	THE PROTECTIVE EARTH CONNECTION IS AS IT SHOULD BE	Y/N	YES / NO	