Form C: Type Test Verification Report

All Micro-generators connected to the **DNO Distribution Network** shall be **Fully Type Tested**. This form is the **Manufacturer**'s declaration of compliance with the requirements of EREC G98.

This form should be used when making a Type Test submission to the Energy Networks Association (ENA) Type Test Register.

If the **Micro-generator** is **Fully Type Tested** and already registered with the ENA Type Test Register, the **Installation Document** should include the **Manufacturer**'s Reference Number (the system reference), and this form does not need to be submitted.

Manufacturer's reference number		ce number			
Micro-generator technology		Battery Electric Energy Storage System with Photovoltaic hybrid inverter (inverter model: Inverter vision three 1.0 (10.0 kW); Inverter vision three 1.0 (8.0 kW); Inverter vision three 1.0 (6.0 kW); Inverter vision three 1.0 (5.0 kW))			
Manufactur	er name		SOLARWA	TT GmbH	
Address			Maria-Reic	he-Straße 2a, 01	109 Dresden, Germany
Tel	+49-351-46	676-1000		Fax	
E-mail	peter.bach	mann@solarw	att.com	Web site	www.solarwatt.de
		Connection (Option		
Registered use separate	•	10.0	kW three phase		
more than or connection of		8.0	kW three phase		
		6.0	kW three phase		
		5.0	kW three phase		
	Energy storage capacity for Electricity Storage devices 4.8 - 42		kWh		

Manufacturer Type Test declaration. - I certify that all products supplied by the company with the above **Fully Type Tested** reference number will be manufactured and tested to ensure that they perform as stated in this document, prior to shipment to site and that no site modifications are required to ensure that the product meets all the requirements of EREC G98.

Signed	Pow John	On behalf of	SOLARWATT GmbH
	'		

Note that testing can be done by the **Manufacturer** of an individual component or by an external test house.

Where parts of the testing are carried out by persons or organisations other than the **Manufacturer** then that person or organisation shall keep copies of all test records and results supplied to them to verify that the testing has been carried out by people with sufficient technical competency to carry out the tests.



Operating Range: This test should be carried out as specified in A.1.2.10.

Pass or failure of the test should be indicated in the fields below (right hand side), for example with the statement "Pass", "No disconnection occurs", etc. Graphical evidence is preferred.

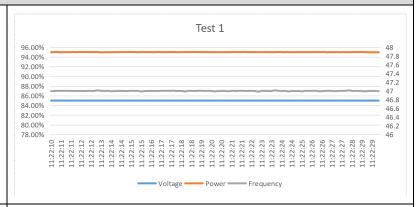


Voltage = 85% of nominal (195.5 V)

Frequency = 47.0 Hz

Power factor = 1

Period of test 20 seconds



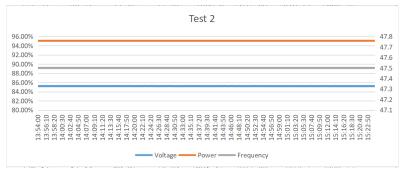
Test 2

Voltage = 85% of nominal (195.5 V)

Frequency = 47.5 Hz

Power factor = 1

Period of test 90 minutes



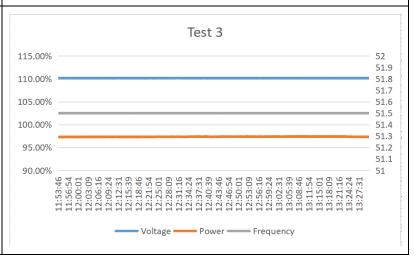
Test 3

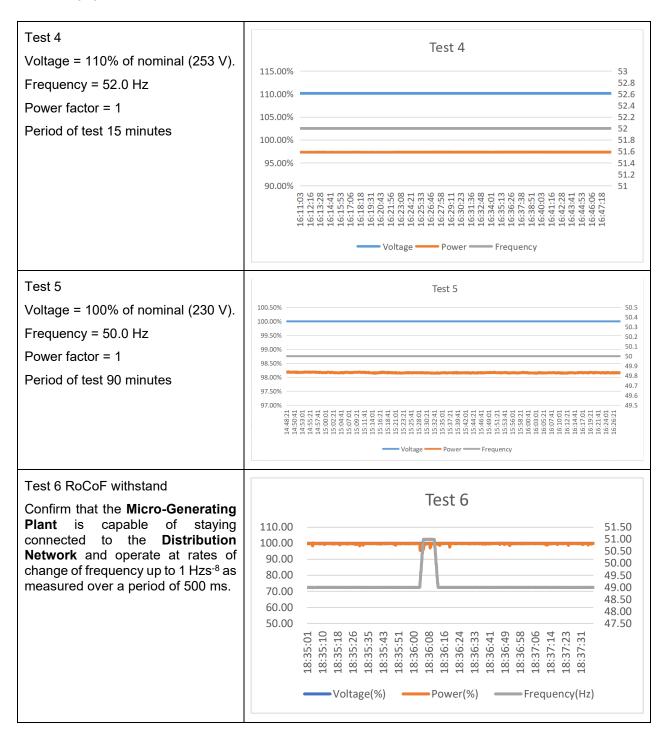
Voltage = 110% of nominal (253 V).

Frequency = 51.5 Hz

Power factor = 1

Period of test 90 minutes





Power Quality – Harmonics: These tests should be carried out as specified in BS EN 61000-3-2. The chosen test should be undertaken with a fixed source of energy at two power levels a) between 45 and 55% and b) at 100% of **Registered Capacity**. The test requirements are specified in Annex A1 A.1.3.1 (**Inverter** connected) or Annex A2 A.2.3.1 (Synchronous).

Micro-generator tested to BS EN 61000-3-2						
Micro-generator rating per phase (rpp)	3.33	k\	W	Model:		
For 3-phase Micro-generator s, tick measurements are identical for all three p		Inverter vision three 1.0(10.0 kW)				



not ident		ase, please repli ults for each pha	cate this section wase.	vith the		
Harmonic	At 45-55% of Registered Capacity1			Limit in BS EN 61000-3-2 in Amps	Higher limit for odd harmonics 21	
	Measured Va	lue MV in Amps		01000-5-2 III Allips	and above	
	L1	L2	L3			
2	0.011	0.028	0.017	1.080		
3	0.037	0.035	0.046	2.300		
4	0.020	0.026	0.028	0.430		
5	0.098	0.105	0.097	1.140		
6	0.007	0.015	0.007	0.300		
7	0.113	0.112	0.113	0.770		
8	0.014	0.011	0.009	0.230		
9	0.064	0.063	0.062	0.400		
10	0.014	0.013	0.013	0.184		
11	0.095	0.095	0.094	0.330		
12	0.005	0.003	0.003	0.153		
13	0.058	0.058	0.061	0.210		
14	0.006	0.002	0.004	0.131		
15	0.051	0.049	0.048	0.150		
16	0.008	0.007	0.004	0.115		
17	0.015	0.019	0.015	0.132		
18	0.009	0.004	0.002	0.102		
19	0.038	0.040	0.039	0.118		
20	0.005	0.005	0.005	0.092		
21	0.016	0.016	0.017	0.107	0.160	
22	0.011	0.008	0.007	0.084		
23	0.016	0.017	0.016	0.098	0.147	

¹ See the note in A.2.3.1 if 45-55% of **Registered Capacity** is below the minimum stable operating level. If an alternative loading level is chosen, the level should be indicated on the test form and the reason for not testing at 45-55% of **Registered Capacity** should be stated. The additional comments box at the end of the harmonics test sheet can be used for this.

			•		
24	0.006	0.002	0.003	0.077	
25	0.004	0.007	0.005	0.090	0.135
26	0.003	0.004	0.002	0.071	
27	0.024	0.024	0.023	0.083	0.124
28	0.009	0.003	0.003	0.066	
29	0.009	0.007	0.012	0.078	0.117
30	0.004	0.003	0.003	0.061	
31	0.014	0.015	0.015	0.073	0.109
32	0.003	0.002	0.002	0.058	
33	0.009	0.011	0.009	0.068	0.102
34	0.007	0.004	0.004	0.054	
35	0.014	0.013	0.013	0.064	0.096
36	0.004	0.002	0.002	0.051	
37	0.006	0.007	0.007	0.061	0.091
38	0.008	0.005	0.002	0.048	
39	0.008	0.007	0.009	0.058	0.087
40	0.006	0.001	0.006	0.046	
Harmonic	100%	of Registered C	Capacity	Model: Inverter vision	three 1.0(10.0 kW)
	Measured Valu	ue MV in Amps		Limit in BS EN	Higher limit for
	L1	L2	L3	61000-3-2 in Amps	odd harmonics 21 and above
2	0.027	0.044	0.019	1.080	
3	0.045	0.061	0.055	2.300	
4	0.019	0.024	0.025	0.430	
5	0.028	0.032	0.035	1.140	
6	0.003	0.010	0.001	0.300	
7	0.079	0.075	0.079	0.770	
8	0.013	0.012	0.015	0.230	
9	0.052	0.056	0.058	0.400	
1			•		



10 0.008 0.009 0.007 0.184 11 0.077 0.080 0.080 0.330 12 0.006 0.005 0.003 0.153 13 0.054 0.053 0.061 0.210 14 0.009 0.006 0.009 0.131 15 0.020 0.023 0.022 0.150 16 0.005 0.009 0.007 0.115 17 0.078 0.078 0.132 18 0.007 0.001 0.006 0.102 19 0.040 0.041 0.045 0.118 20 0.005 0.003 0.003 0.092 21 0.023 0.024 0.026 0.107 0.160 22 0.007 0.008 0.084 0.147 24 0.006 0.001 0.001 0.077 25 0.008 0.010 0.011 0.090 0.135 26 0.002						
12 0.006 0.005 0.003 0.153 13 0.054 0.053 0.061 0.210 14 0.009 0.006 0.009 0.131 15 0.020 0.023 0.022 0.150 16 0.005 0.009 0.007 0.115 17 0.078 0.078 0.132 18 0.007 0.001 0.006 0.102 19 0.040 0.041 0.045 0.118 20 0.005 0.003 0.003 0.092 21 0.023 0.024 0.026 0.107 0.160 22 0.007 0.007 0.008 0.084 0.044 23 0.031 0.032 0.034 0.098 0.147 24 0.006 0.001 0.001 0.077 0.024 25 0.008 0.010 0.011 0.090 0.135 26 0.002 0.028 0.029 0.083 <td>10</td> <td>0.008</td> <td>0.009</td> <td>0.007</td> <td>0.184</td> <td></td>	10	0.008	0.009	0.007	0.184	
13 0.054 0.053 0.061 0.210 14 0.009 0.006 0.009 0.131 15 0.020 0.023 0.022 0.150 16 0.005 0.009 0.007 0.115 17 0.078 0.078 0.132 18 0.007 0.001 0.006 0.102 19 0.040 0.041 0.045 0.118 20 0.005 0.003 0.003 0.092 21 0.023 0.024 0.026 0.107 0.160 22 0.007 0.007 0.008 0.084 0.147 24 0.006 0.001 0.001 0.077 0.026 25 0.008 0.010 0.011 0.090 0.135 26 0.002 0.002 0.001 0.071 0.124 28 0.006 0.003 0.005 0.066 0.117 30 0.002 0.001 0.001 <td>11</td> <td>0.077</td> <td>0.080</td> <td>0.080</td> <td>0.330</td> <td></td>	11	0.077	0.080	0.080	0.330	
14 0.009 0.006 0.009 0.131 15 0.020 0.023 0.022 0.150 16 0.005 0.009 0.007 0.115 17 0.078 0.078 0.132 18 0.007 0.001 0.006 0.102 19 0.040 0.041 0.045 0.118 20 0.005 0.003 0.003 0.092 21 0.023 0.024 0.026 0.107 0.160 22 0.007 0.007 0.008 0.084 0.147 24 0.006 0.001 0.001 0.077 0.160 25 0.008 0.010 0.011 0.077 0.135 26 0.002 0.002 0.001 0.071 0.135 26 0.002 0.002 0.001 0.071 0.124 28 0.006 0.003 0.005 0.066 0.117 30 0.003 0.002 <td>12</td> <td>0.006</td> <td>0.005</td> <td>0.003</td> <td>0.153</td> <td></td>	12	0.006	0.005	0.003	0.153	
15 0.020 0.023 0.022 0.150 16 0.005 0.009 0.007 0.115 17 0.078 0.078 0.078 0.132 18 0.007 0.001 0.006 0.102 19 0.040 0.041 0.045 0.118 20 0.005 0.003 0.003 0.092 21 0.023 0.024 0.026 0.107 0.160 22 0.007 0.007 0.008 0.084 0.147 24 0.006 0.001 0.001 0.077 0.135 26 0.002 0.002 0.001 0.071 0.135 26 0.002 0.002 0.001 0.071 0.124 28 0.008 0.028 0.029 0.083 0.124 28 0.006 0.003 0.005 0.066 0.117 30 0.003 0.002 0.001 0.061 0.117 30 <td>13</td> <td>0.054</td> <td>0.053</td> <td>0.061</td> <td>0.210</td> <td></td>	13	0.054	0.053	0.061	0.210	
16 0.005 0.009 0.007 0.115 17 0.078 0.078 0.078 0.132 18 0.007 0.001 0.006 0.102 19 0.040 0.041 0.045 0.118 20 0.005 0.003 0.003 0.092 21 0.023 0.024 0.026 0.107 0.160 22 0.007 0.008 0.084 0.047 23 0.031 0.032 0.034 0.098 0.147 24 0.006 0.001 0.001 0.077 0.090 0.135 26 0.002 0.002 0.001 0.071 0.014 0.024 27 0.028 0.028 0.029 0.083 0.124 28 0.006 0.003 0.005 0.066 0.117 30 0.003 0.002 0.001 0.078 0.117 30 0.003 0.002 0.001 0.061 0	14	0.009	0.006	0.009	0.131	
17 0.078 0.078 0.078 0.132 18 0.007 0.001 0.006 0.102 19 0.040 0.041 0.045 0.118 20 0.005 0.003 0.003 0.092 21 0.023 0.024 0.026 0.107 0.160 22 0.007 0.007 0.008 0.084 0.047 23 0.031 0.032 0.034 0.098 0.147 24 0.006 0.001 0.001 0.077 0.028 25 0.008 0.010 0.011 0.090 0.135 26 0.002 0.002 0.001 0.071 0.071 27 0.028 0.028 0.029 0.083 0.124 28 0.006 0.003 0.005 0.066 0.117 30 0.003 0.002 0.001 0.061 0.117 30 0.003 0.001 0.010 0.058 0	15	0.020	0.023	0.022	0.150	
18 0.007 0.001 0.006 0.102 19 0.040 0.041 0.045 0.118 20 0.005 0.003 0.003 0.092 21 0.023 0.024 0.026 0.107 0.160 22 0.007 0.008 0.084 0.047 23 0.031 0.032 0.034 0.098 0.147 24 0.006 0.001 0.001 0.077 0.077 25 0.008 0.010 0.011 0.090 0.135 26 0.002 0.002 0.001 0.071 0.071 27 0.028 0.028 0.029 0.083 0.124 28 0.006 0.003 0.005 0.066 0.117 30 0.003 0.002 0.001 0.061 0.117 30 0.003 0.002 0.001 0.061 0.117 30 0.003 0.001 0.010 0.073 0	16	0.005	0.009	0.007	0.115	
19 0.040 0.041 0.045 0.118 20 0.005 0.003 0.003 0.092 21 0.023 0.024 0.026 0.107 0.160 22 0.007 0.008 0.084 0.04 23 0.031 0.032 0.034 0.098 0.147 24 0.006 0.001 0.001 0.077 0.077 25 0.008 0.010 0.011 0.090 0.135 26 0.002 0.002 0.001 0.071 0.024 27 0.028 0.028 0.029 0.083 0.124 28 0.006 0.003 0.005 0.066 0.017 29 0.027 0.026 0.028 0.078 0.117 30 0.003 0.002 0.001 0.061 0.093 31 0.009 0.010 0.010 0.058 0.109 32 0.002 0.001 0.001 0.	17	0.078	0.078	0.078	0.132	
20 0.005 0.003 0.003 0.092 21 0.023 0.024 0.026 0.107 0.160 22 0.007 0.008 0.084 0.04 23 0.031 0.032 0.034 0.098 0.147 24 0.006 0.001 0.001 0.077 0.028 0.090 0.135 26 0.002 0.002 0.001 0.071 0.071 0.014 27 0.028 0.028 0.029 0.083 0.124 28 0.006 0.003 0.005 0.066 0.017 29 0.027 0.026 0.028 0.078 0.117 30 0.003 0.002 0.001 0.061 0.019 31 0.009 0.010 0.010 0.058 0.109 32 0.002 0.001 0.001 0.058 0.102 34 0.004 0.003 0.003 0.054 0.064 0.096 <td>18</td> <td>0.007</td> <td>0.001</td> <td>0.006</td> <td>0.102</td> <td></td>	18	0.007	0.001	0.006	0.102	
21 0.023 0.024 0.026 0.107 0.160 22 0.007 0.008 0.084 0.147 23 0.031 0.032 0.034 0.098 0.147 24 0.006 0.001 0.001 0.077 0.077 25 0.008 0.010 0.011 0.090 0.135 26 0.002 0.002 0.001 0.071 0.071 27 0.028 0.028 0.029 0.083 0.124 28 0.006 0.003 0.005 0.066 0.017 29 0.027 0.026 0.028 0.078 0.117 30 0.003 0.002 0.001 0.061 0.019 31 0.009 0.010 0.010 0.073 0.109 32 0.002 0.001 0.001 0.058 0.102 34 0.004 0.003 0.003 0.004 0.004 0.003 0.004 0.004	19	0.040	0.041	0.045	0.118	
22 0.007 0.008 0.084 23 0.031 0.032 0.034 0.098 0.147 24 0.006 0.001 0.001 0.077 0.135 25 0.008 0.010 0.011 0.090 0.135 26 0.002 0.002 0.001 0.071 0.015 27 0.028 0.028 0.029 0.083 0.124 28 0.006 0.003 0.005 0.066 0.017 29 0.027 0.026 0.028 0.078 0.117 30 0.003 0.002 0.001 0.061 0.073 0.109 31 0.009 0.010 0.010 0.073 0.109 32 0.002 0.001 0.001 0.058 0.102 34 0.004 0.003 0.003 0.054 0.064 0.096 36 0.004 0.003 0.001 0.051 0.061 0.091 <t< td=""><td>20</td><td>0.005</td><td>0.003</td><td>0.003</td><td>0.092</td><td></td></t<>	20	0.005	0.003	0.003	0.092	
23 0.031 0.032 0.034 0.098 0.147 24 0.006 0.001 0.001 0.077 0.135 25 0.008 0.010 0.011 0.090 0.135 26 0.002 0.002 0.001 0.071 0.011 27 0.028 0.028 0.029 0.083 0.124 28 0.006 0.003 0.005 0.066 0.017 29 0.027 0.026 0.028 0.078 0.117 30 0.003 0.002 0.001 0.061 0.019 31 0.009 0.010 0.010 0.073 0.109 32 0.002 0.001 0.001 0.058 0.102 34 0.004 0.003 0.003 0.054 0.094 36 0.004 0.003 0.001 0.051 0.051 37 0.008 0.009 0.009 0.061 0.061 0.091	21	0.023	0.024	0.026	0.107	0.160
24 0.006 0.001 0.001 0.077 25 0.008 0.010 0.011 0.090 0.135 26 0.002 0.002 0.001 0.071 0.021 27 0.028 0.029 0.083 0.124 28 0.006 0.003 0.005 0.066 29 0.027 0.026 0.028 0.078 0.117 30 0.003 0.002 0.001 0.061 0.073 0.109 31 0.009 0.010 0.010 0.073 0.109 32 0.002 0.001 0.001 0.058 0.102 34 0.004 0.003 0.003 0.054 0.054 35 0.013 0.013 0.014 0.064 0.096 36 0.004 0.003 0.001 0.051 0.051 37 0.008 0.009 0.009 0.061 0.091	22	0.007	0.007	0.008	0.084	
25 0.008 0.010 0.011 0.090 0.135 26 0.002 0.002 0.001 0.071 0.028 27 0.028 0.028 0.029 0.083 0.124 28 0.006 0.003 0.005 0.066 29 0.027 0.026 0.028 0.078 0.117 30 0.003 0.002 0.001 0.061 0.109 31 0.009 0.010 0.010 0.073 0.109 32 0.002 0.001 0.001 0.058 0.102 34 0.004 0.003 0.003 0.054 0.064 0.096 36 0.004 0.003 0.001 0.051 0.051 0.091 37 0.008 0.009 0.009 0.061 0.091	23	0.031	0.032	0.034	0.098	0.147
26 0.002 0.002 0.001 0.071 27 0.028 0.028 0.029 0.083 0.124 28 0.006 0.003 0.005 0.066 0.017 29 0.027 0.026 0.028 0.078 0.117 30 0.003 0.002 0.001 0.061 31 0.009 0.010 0.010 0.073 0.109 32 0.002 0.001 0.001 0.058 0.102 33 0.015 0.015 0.017 0.068 0.102 34 0.004 0.003 0.003 0.054 35 0.013 0.013 0.014 0.064 0.096 36 0.004 0.003 0.001 0.051 0.091 37 0.008 0.009 0.009 0.061 0.091	24	0.006	0.001	0.001	0.077	
27 0.028 0.028 0.029 0.083 0.124 28 0.006 0.003 0.005 0.066 29 0.027 0.026 0.028 0.078 0.117 30 0.003 0.002 0.001 0.061 0.061 31 0.009 0.010 0.010 0.073 0.109 32 0.002 0.001 0.001 0.058 33 0.015 0.015 0.017 0.068 0.102 34 0.004 0.003 0.003 0.054 35 0.013 0.013 0.014 0.064 0.096 36 0.004 0.003 0.001 0.051 0.091 37 0.008 0.009 0.009 0.061 0.091	25	0.008	0.010	0.011	0.090	0.135
28 0.006 0.003 0.005 0.066 29 0.027 0.026 0.028 0.078 0.117 30 0.003 0.002 0.001 0.061 31 0.009 0.010 0.010 0.073 0.109 32 0.002 0.001 0.001 0.058 0.102 33 0.015 0.015 0.017 0.068 0.102 34 0.004 0.003 0.003 0.054 35 0.013 0.013 0.014 0.064 0.096 36 0.004 0.003 0.001 0.051 0.091 37 0.008 0.009 0.009 0.061 0.091	26	0.002	0.002	0.001	0.071	
29 0.027 0.026 0.028 0.078 0.117 30 0.003 0.002 0.001 0.061 31 0.009 0.010 0.010 0.073 0.109 32 0.002 0.001 0.001 0.058 0.102 33 0.015 0.015 0.017 0.068 0.102 34 0.004 0.003 0.003 0.054 35 0.013 0.013 0.014 0.064 0.096 36 0.004 0.003 0.001 0.051 0.091 37 0.008 0.009 0.009 0.061 0.091	27	0.028	0.028	0.029	0.083	0.124
30 0.003 0.002 0.001 0.061 31 0.009 0.010 0.010 0.073 0.109 32 0.002 0.001 0.001 0.058 33 0.015 0.015 0.017 0.068 0.102 34 0.004 0.003 0.003 0.054 35 0.013 0.013 0.014 0.064 0.096 36 0.004 0.003 0.001 0.051 37 0.008 0.009 0.009 0.061 0.091	28	0.006	0.003	0.005	0.066	
31 0.009 0.010 0.010 0.073 0.109 32 0.002 0.001 0.001 0.058 33 0.015 0.015 0.017 0.068 0.102 34 0.004 0.003 0.003 0.054 35 0.013 0.013 0.014 0.064 0.096 36 0.004 0.003 0.001 0.051 37 0.008 0.009 0.009 0.061 0.091	29	0.027	0.026	0.028	0.078	0.117
32 0.002 0.001 0.001 0.058 33 0.015 0.015 0.017 0.068 0.102 34 0.004 0.003 0.003 0.054 35 0.013 0.013 0.014 0.064 0.096 36 0.004 0.003 0.001 0.051 37 0.008 0.009 0.009 0.061 0.091	30	0.003	0.002	0.001	0.061	
33 0.015 0.015 0.017 0.068 0.102 34 0.004 0.003 0.003 0.054 35 0.013 0.014 0.064 0.096 36 0.004 0.003 0.001 0.051 37 0.008 0.009 0.009 0.061 0.091	31	0.009	0.010	0.010	0.073	0.109
34 0.004 0.003 0.003 0.054 35 0.013 0.014 0.064 0.096 36 0.004 0.003 0.001 0.051 37 0.008 0.009 0.009 0.061 0.091	32	0.002	0.001	0.001	0.058	
35 0.013 0.014 0.064 0.096 36 0.004 0.003 0.001 0.051 37 0.008 0.009 0.009 0.061 0.091	33	0.015	0.015	0.017	0.068	0.102
36 0.004 0.003 0.001 0.051 37 0.008 0.009 0.009 0.061 0.091	34	0.004	0.003	0.003	0.054	
37 0.008 0.009 0.009 0.061 0.091	35	0.013	0.013	0.014	0.064	0.096
	36	0.004	0.003	0.001	0.051	
38 0.004 0.002 0.048	37	0.008	0.009	0.009	0.061	0.091
	38	0.004	0.004	0.002	0.048	

39	0.013	0.011	0.013	0.058	0.087
40	0.007	0.003	0.004	0.046	

Micro-gen	erator rating per	r phase (rpp)	1.66	kV	٧	Мо	del: Inverter vision
measurem	ents are identica	this box if harmon nases. If the harmon cate this section wase.	nics are		t	hree 1.0(5.0 kW)	
Harmonic	At 45-55% of F	Registered Capa	acity2	Limit in B 61000-3-			Higher limit for odd harmonics 21
	Measured Valu	ue MV in Amps		01000-3-	z III AIIIp:	5	and above
	L1	L2	L3				
2	0.016	0.021	0.008	1.080			
3	0.036	0.017	0.027	2.300			
4	0.024	0.015	0.007	0.430			
5	0.068	0.059	0.069	1.140			
6	0.013	0.007	0.008	0.300			
7	0.053	0.050	0.057	0.770			
8	0.018	0.009	0.010	0.230			
9	0.049	0.042	0.058	0.400			
10	0.015	0.004	0.004	0.184			
11	0.030	0.035	0.040	0.330			
12	0.014	0.004	0.012	0.153			
13	0.029	0.034	0.039	0.210			
14	0.015	0.014	0.008	0.131			
15	0.016	0.021	0.023	0.150			
16	0.015	0.003	0.001	0.115			
17	0.026	0.010	0.037	0.132			
18	0.017	0.012	0.007	0.102			

² See the note in A.2.3.1 if 45-55% of **Registered Capacity** is below the minimum stable operating level. If an alternative loading level is chosen, the level should be indicated on the test form and the reason for not testing at 45-55% of **Registered Capacity** should be stated. The additional comments box at the end of the harmonics test sheet can be used for this.



19	0.010	0.009	0.015	0.118	
20	0.011	0.003	0.004	0.092	
21	0.006	0.022	0.013	0.107	0.160
22	0.017	0.005	0.003	0.084	
23	0.004	0.012	0.009	0.098	0.147
24	0.006	0.004	0.003	0.077	
25	0.003	0.010	0.004	0.090	0.135
26	0.011	0.001	0.004	0.071	
27	0.005	0.006	0.003	0.083	0.124
28	0.005	0.006	0.004	0.066	
29	0.002	0.005	0.010	0.078	0.117
30	0.006	0.002	0.003	0.061	
31	0.006	0.006	0.006	0.073	0.109
32	0.005	0.008	0.003	0.058	
33	0.003	0.004	0.006	0.068	0.102
34	0.007	0.005	0.002	0.054	
35	0.002	0.004	0.002	0.064	0.096
36	0.006	0.005	0.002	0.051	
37	0.001	0.004	0.006	0.061	0.091
38	0.005	0.002	0.007	0.048	
39	0.005	0.005	0.005	0.058	0.087
40	0.003	0.001	0.006	0.046	
Harmonic	100%	of Registered C	Capacity	Model: Inverter vision	three 1.0(5.0 kW)
	Measured Valu	ue MV in Amps		Limit in BS EN	Higher limit for
	L1	L2	L3	61000-3-2 in Amps	odd harmonics 21 and above
2	0.021	0.046	0.025	1.080	
3	0.035	0.008	0.034	2.300	
4	0.027	0.020	0.028	0.430	

5 0.041 0.026 0.042 1.140 ————————————————————————————————————			1		1	
7 0.044 0.037 0.056 0.770 0.030 8 0.016 0.019 0.230 0.040 9 0.049 0.033 0.055 0.400 0.000 10 0.020 0.010 0.017 0.184 0.000 11 0.035 0.028 0.037 0.330 0.000 12 0.021 0.014 0.020 0.153 0.000 13 0.034 0.033 0.039 0.210 0.000 14 0.011 0.017 0.016 0.131 0.000 16 0.031 0.018 0.037 0.150 0.000 17 0.020 0.016 0.032 0.132 0.000 18 0.012 0.001 0.014 0.102 0.000 20 0.012 0.011 0.016 0.092 0.000 21 0.010 0.010 0.014 0.107 0.160 22 0.003 0.00	5	0.041	0.026	0.042	1.140	
8 0.016 0.019 0.230 0.01 9 0.049 0.033 0.055 0.400 0.01 10 0.020 0.010 0.017 0.184 0.01 11 0.035 0.028 0.037 0.330 0.01 12 0.021 0.014 0.020 0.153 0.01 13 0.034 0.033 0.039 0.210 0.01 14 0.011 0.017 0.016 0.131 0.01 15 0.031 0.018 0.037 0.150 0.01 16 0.007 0.005 0.018 0.115 0.00 17 0.020 0.016 0.032 0.132 0.00 18 0.012 0.008 0.014 0.102 0.00 19 0.022 0.017 0.024 0.118 0.00 21 0.010 0.010 0.014 0.107 0.160 22 0.003 0.005	6	0.024	0.015	0.020	0.300	
9 0.049 0.033 0.055 0.400 1.101	7	0.044	0.037	0.056	0.770	
10 0.020 0.010 0.017 0.184 11 0.035 0.028 0.037 0.330 12 0.021 0.014 0.020 0.153 13 0.034 0.033 0.039 0.210 14 0.011 0.017 0.016 0.131 14 0.011 0.017 0.016 0.131 15 0.031 0.018 0.037 0.150 16 0.007 0.005 0.018 0.115 16 0.007 0.005 0.018 0.115 17 0.020 0.016 0.032 0.132 18 0.012 0.008 0.014 0.102 18 0.012 0.008 0.014 0.102 18 0.012 0.011 0.016 0.032 0.132 18 0.012 0.011 0.016 0.092 18 0.012 0.011 0.016 0.092 18 18 0.012 0.011 0.016 0.092 0.003 0.003 0.004 0.009 0.0100 0.009 0.0100 0.004 0.	8	0.016	0.016	0.019	0.230	
11 0.035 0.028 0.037 0.330 Image: color of the color	9	0.049	0.033	0.055	0.400	
12 0.021 0.014 0.020 0.153 13 0.034 0.033 0.039 0.210 14 0.011 0.017 0.016 0.131 14 0.011 0.017 0.016 0.131 15 0.031 0.018 0.037 0.150 16 0.007 0.005 0.018 0.115 16 0.007 0.005 0.018 0.115 17 0.020 0.016 0.032 0.132 18 0.012 0.008 0.014 0.102 18 18 0.012 0.008 0.014 0.102 18 18 0.012 0.008 0.014 0.102 18 18 0.012 0.001 0.014 0.102 0.002 0.002 0.002 0.002 0.002 0.002 0.004 0.006 0.160 0.004 0.160 0.147 0.160 0.004 0.004 0.147 0.160 0.004 0.147 0.160 0.004 0.004 0.004 0.004 0.004 0.004 0.004 <t< td=""><td>10</td><td>0.020</td><td>0.010</td><td>0.017</td><td>0.184</td><td></td></t<>	10	0.020	0.010	0.017	0.184	
13 0.034 0.033 0.039 0.210 14 0.011 0.017 0.016 0.131 15 0.031 0.018 0.097 0.150 16 0.007 0.005 0.018 0.115 17 0.020 0.016 0.032 0.132 18 0.012 0.008 0.014 0.102 19 0.022 0.017 0.024 0.118 20 0.012 0.011 0.016 0.092 21 0.010 0.010 0.014 0.107 0.160 22 0.003 0.005 0.015 0.084	11	0.035	0.028	0.037	0.330	
14 0.011 0.017 0.016 0.131 15 0.031 0.018 0.037 0.150 16 0.007 0.005 0.018 0.115 17 0.020 0.016 0.032 0.132 18 0.012 0.008 0.014 0.102 19 0.022 0.017 0.024 0.118 20 0.012 0.011 0.016 0.092 21 0.010 0.010 0.014 0.107 0.160 22 0.003 0.005 0.015 0.084	12	0.021	0.014	0.020	0.153	
15 0.031 0.018 0.037 0.150 16 0.007 0.005 0.018 0.115 17 0.020 0.016 0.032 0.132 18 0.012 0.008 0.014 0.102 19 0.022 0.017 0.024 0.118 20 0.012 0.011 0.016 0.092 21 0.010 0.010 0.014 0.107 0.160 22 0.003 0.005 0.015 0.084	13	0.034	0.033	0.039	0.210	
16 0.007 0.005 0.018 0.115	14	0.011	0.017	0.016	0.131	
17 0.020 0.016 0.032 0.132 18 0.012 0.008 0.014 0.102 19 0.022 0.017 0.024 0.118 20 0.012 0.011 0.016 0.092 21 0.010 0.010 0.014 0.107 0.160 22 0.003 0.005 0.015 0.084 0.04 23 0.012 0.020 0.009 0.098 0.147 24 0.012 0.009 0.002 0.077 0.015 25 0.008 0.005 0.010 0.090 0.135 26 0.005 0.003 0.007 0.071 0.124 27 0.004 0.009 0.005 0.083 0.124 28 0.004 0.002 0.004 0.066 0.078 0.117 30 0.004 0.002 0.004 0.061 0.117 31 0.001 0.010 0.005 0.	15	0.031	0.018	0.037	0.150	
18 0.012 0.008 0.014 0.102 19 0.022 0.017 0.024 0.118 20 0.012 0.011 0.016 0.092 21 0.010 0.010 0.014 0.107 0.160 22 0.003 0.005 0.015 0.084 0.012 0.020 0.009 0.098 0.147 24 0.012 0.009 0.002 0.077 25 0.008 0.005 0.010 0.090 0.135 26 0.005 0.003 0.007 0.071 27 0.004 0.009 0.005 0.083 0.124 28 0.004 0.002 0.004 0.066 0.078 0.117 30 0.004 0.002 0.004 0.061 0.109 31 0.006 0.001 0.005 0.058 0.019 32 0.006 0.001 0.005 0.058 0.058	16	0.007	0.005	0.018	0.115	
19 0.022 0.017 0.024 0.118 20 0.012 0.011 0.016 0.092 21 0.010 0.010 0.014 0.107 0.160 22 0.003 0.005 0.015 0.084	17	0.020	0.016	0.032	0.132	
20 0.012 0.011 0.016 0.092 21 0.010 0.010 0.014 0.107 0.160 22 0.003 0.005 0.015 0.084 0.147 23 0.012 0.020 0.009 0.098 0.147 24 0.012 0.009 0.002 0.077 0.014 25 0.008 0.005 0.010 0.090 0.135 26 0.005 0.003 0.007 0.071 0.124 27 0.004 0.009 0.005 0.083 0.124 28 0.004 0.002 0.004 0.066 0.117 30 0.008 0.006 0.006 0.078 0.117 30 0.004 0.002 0.004 0.061 0.109 31 0.001 0.010 0.005 0.058 0.109	18	0.012	0.008	0.014	0.102	
21 0.010 0.010 0.014 0.107 0.160 22 0.003 0.005 0.015 0.084 ————————————————————————————————————	19	0.022	0.017	0.024	0.118	
22 0.003 0.005 0.015 0.084 23 0.012 0.020 0.009 0.098 0.147 24 0.012 0.009 0.002 0.077 Image: color of the color	20	0.012	0.011	0.016	0.092	
23 0.012 0.020 0.009 0.098 0.147 24 0.012 0.009 0.002 0.077	21	0.010	0.010	0.014	0.107	0.160
24 0.012 0.009 0.002 0.077 25 0.008 0.005 0.010 0.090 0.135 26 0.005 0.003 0.007 0.071 27 0.004 0.009 0.005 0.083 0.124 28 0.004 0.002 0.004 0.066 29 0.008 0.006 0.006 0.078 0.117 30 0.004 0.002 0.004 0.061 31 0.001 0.010 0.004 0.073 0.109 32 0.006 0.001 0.005 0.058	22	0.003	0.005	0.015	0.084	
25 0.008 0.005 0.010 0.090 0.135 26 0.005 0.003 0.007 0.071	23	0.012	0.020	0.009	0.098	0.147
26 0.005 0.003 0.007 0.071 27 0.004 0.009 0.005 0.083 0.124 28 0.004 0.002 0.004 0.066 0.078 0.117 30 0.004 0.002 0.004 0.061 0.109 31 0.001 0.010 0.004 0.073 0.109 32 0.006 0.001 0.005 0.058	24	0.012	0.009	0.002	0.077	
27 0.004 0.009 0.005 0.083 0.124 28 0.004 0.002 0.004 0.066 0.017 29 0.008 0.006 0.006 0.078 0.117 30 0.004 0.002 0.004 0.061 0.109 31 0.001 0.010 0.004 0.073 0.109 32 0.006 0.001 0.005 0.058	25	0.008	0.005	0.010	0.090	0.135
28 0.004 0.002 0.004 0.066 29 0.008 0.006 0.006 0.078 0.117 30 0.004 0.002 0.004 0.061 0.109 31 0.001 0.010 0.004 0.073 0.109 32 0.006 0.001 0.005 0.058	26	0.005	0.003	0.007	0.071	
29 0.008 0.006 0.006 0.078 0.117 30 0.004 0.002 0.004 0.061 31 0.001 0.010 0.004 0.073 0.109 32 0.006 0.001 0.005 0.058	27	0.004	0.009	0.005	0.083	0.124
30 0.004 0.002 0.004 0.061 31 0.001 0.010 0.004 0.073 0.109 32 0.006 0.001 0.005 0.058	28	0.004	0.002	0.004	0.066	
31 0.001 0.010 0.004 0.073 0.109 32 0.006 0.001 0.005 0.058	29	0.008	0.006	0.006	0.078	0.117
32 0.006 0.001 0.005 0.058	30	0.004	0.002	0.004	0.061	
	31	0.001	0.010	0.004	0.073	0.109
33 0.003 0.007 0.005 0.068 0.102	32	0.006	0.001	0.005	0.058	
	33	0.003	0.007	0.005	0.068	0.102



34	0.005	0.003	0.004	0.054	
35	0.003	0.007	0.002	0.064	0.096
36	0.005	0.003	0.008	0.051	
37	0.003	0.005	0.004	0.061	0.091
38	0.003	0.003	0.004	0.048	
39	0.001	0.005	0.003	0.058	0.087
40	0.007	0.001	0.004	0.046	

Power Quality – Voltage fluctuations and Flicker: These tests should be undertaken in accordance with EREC G98 Annex A1 A.1.3.3 (**Inverter** connected) or Annex A2 A.2.3.3 (Synchronous).

The standard test impedance is $0.4~\Omega$ for a single phase **Micro-generating Plant** (and for a two phase unit in a three phase system) and $0.24~\Omega$ for a three phase **Micro-generating Plant** (and for a two phase unit in a split phase system). Please ensure that both test and standard impedance are completed on this form. If the test impedance (or the measured impedance) is different to the standard impedance, it must be normalised to the standard impedance as follows (where the **Power Factor** of the generation output is $0.98~\mathrm{or~above}$):

d max normalised value = (Standard impedance / Measured impedance) x Measured value.

Where the **Power Factor** of the output is under 0.98 then the X to R ratio of the test impedance should be close to that of the standard impedance.

The stopping test should be a trip from full load operation.

The duration of these tests needs to comply with the particular requirements set out in the testing notes for the technology under test.

The test date and location must be declared.

Test start date	2025-04	-11		Test end da	ate	2025-04	-12	
Test location	No.8, Xi	qin Road,	Xinwu [District, Wuxi	, Jiangsu, C	hina		
	Starting	Starting Stopping Running						
	d(max)	d(c)	d(t)					
Measured Values at test impedance	0,525	0,028	0,00	0,508	0,036	0,00	0,048	0,054
Normalised to standard impedance	0,524	0,021	0,00	0,522	0,522 0,032 0,00 0,052 0,0			
Normalised to required maximum impedance	NA	NA	NA	NA NA NA NA				

Limits set under BS EN 61000-3-11	4%	3.3%	3.3%	4%	3.3%	3.	3%	1.0		0.65
Test Impedance	R	0.24	Ω			Χ	0.15		Ω	
Standard Impedance	R	0.24 * 0.4 ^	Ω			X	0.15 0.25		Ω	
Maximum Impedance	R		Ω			X			Ω	

^{*}Applies to three phase and split single phase Micro-generators. Delete as appropriate.

Power quality – DC injection: This test should be carried out in accordance with A 1.3.4 as applicable.

The % **DC** injection ("as % of rated AC current" below) is calculated as follows:

% DC injection = Recorded DC value in Amps / base current

where the base current is the **Registered Capacity** (W) / 230 V. The % **DC** injection should not be greater than 0.25%.

Inverter vision three 1.0(10.0 kW)							
Test power level	20%	50%	75%	100%			
Recorded DC value in Amps(L1)	0.011	0.011	0.012	0.013			
as % of rated AC current(L1)	0.035%	0.062%	0.035%	0.062%			
Recorded DC value in Amps(L2)	0.046	0.045	0.044	0.043			
as % of rated AC current(L2)	0.110%	0.138%	0.138%	0.048%			
Recorded DC value in Amps(L3)	0.011	0.011	0.011	0.012			
as % of rated AC current(L3)	0.062%	0.055%	0.076%	0.097%			
Limit	0.25%	0.25%	0.25%	0.25%			
	Inverter vision th	ree 1.0(5.0 kW)					
Test power level	20%	50%	75%	100%			
Recorded DC value in Amps(L1)	0.012	0.014	0.013	0.014			
as % of rated AC current(L1)	0.17%	0.19%	0.18%	0.19%			
Recorded DC value in Amps(L2)	0.012	0.013	0.013	0.011			

[^] Applies to single phase **Micro-generators** and **Micro-generators** using two phases on a three phase system. Delete as appropriate.



as % of rated AC current(L2)	0.12%	0.18%	0.18%	0.15%
Recorded DC value in Amps(L3)	0.010	0.011	0.013	0.011
as % of rated AC current(L3)	0.14%	0.15%	0.18%	0.15%
Limit	0.25%	0.25%	0.25%	0.25%

Power Quality – Power factor : This test shall be carried out in accordance with A.1.3.2 and A.2.3.2 at three voltage levels and at Registered Capacity and the measured Power Factor must be greater than 0.95 to pass. Voltage to be maintained within ±1.5% of the stated level during the test.						
	Inverter vision t	hree 1.0(10.0 kW)				
	216.2 V	230 V	253 V			
Measured value	0.9993	0.9995	0.9993			
Power Factor Limit	>0.95	>0.95	>0.95			
	Inverter vision	three 1.0(5.0 kW)				
	216.2 V	230 V	253 V			
Measured value	0.9979	0.9968	0.9957			
Power Factor Limit	>0.95	>0.95	>0.95			

Protection – Frequency tests: These tests should be carried out in accordance with Annex A1 A.1.2.3 (**Inverter** connected) or Annex A2 A.2.2.3 (Synchronous). For trip tests, frequency and time delay should be stated. For "no trip tests", "no trip" can be stated.

Function	Setting		Trip test		"No trip tests"	
	Frequency	Time delay	Frequency	Time delay	Frequency /time	Confirm no trip
U/F stage 1	47.5 Hz	20 s	47.49 Hz	20.072s	47.7 Hz 30 s	No trip
U/F stage 2	47 Hz	0.5 s	46.99 Hz	0.514s	47.2 Hz 19.5 s	No trip

					46.8 Hz 0.45 s	No trip
O/F stage 1	52 Hz	0.5 s	52.01Hz	0.506s	51.8 Hz 120.0 s	No trip
					52.2 Hz 0.45 s	No trip

Note. For frequency trip tests the frequency required to trip is the setting \pm 0.1 Hz. In order to measure the time delay a larger deviation than the minimum required to operate the projection can be used. The "No trip tests" need to be carried out at the setting \pm 0.2 Hz and for the relevant times as shown in the table above to ensure that the protection will not trip in error.

Protection – Voltage tests: These tests should be carried out in accordance with Annex A1 A.1.2.2 (**Inverter** connected) or Annex A2 A.2.2.2 (Synchronous). For trip tests, voltage and time delay should be stated. For "no trip tests", "no trip" can be stated.

Function	Setting		Trip test		"No trip tests"	
	Voltage	Time delay	Voltage	Time delay	Voltage /time	Confirm no trip
U/V	184 V 2.5 s		183.5V	2.520 s	188 V 5.0 s	No trip
					180 V 2.45 s	No trip
O/V stage 1	262.2 V	1.0 s	262.8V	1.019 s	258.2 V 5.0 s	No trip
O/V stage 2	O/V stage 2 273.7 V 0.5 s		274.1V	0.536 s	269.7 V 0.95 s	No trip
					277.7 V 0.45 s	No trip

Note for Voltage tests the Voltage required to trip is the setting ± 3.45 V. The time delay can be measured at a larger deviation than the minimum required to operate the protection. The No trip tests need to be carried out at the setting ± 4 V and for the relevant times as shown in the table above to ensure that the protection will not trip in error.

Protection – Loss of Mains test: For PV **Inverter**s shall be tested in accordance with BS EN 62116. Other **Micro-generator**s should be tested in accordance with A.2.2.4 at 10%, 55% and 100% of rated power.

For **Inverter**s tested to BS EN 62116 the following sub set of tests should be recorded in the following table.

Test Power and	33%	66%	100%	33%	66%	100%
imbalance	-5% Q	-5% Q	-5% P	+5% Q	+5% Q	+5% P
	Test 22	Test 12	Test 5	Test 31	Test 21	Test 10



Protection – Frequency change, Vector Shift Stability test: This test should be carried out in accordance with EREC G98 Annex A1 A.1.2.6 (**Inverter** connected) or Annex A2 A.2.2.6 (Synchronous). Confirmation is required that the **Micro-generating Plant** does not trip under positive / negative vector shift.

	Start Frequency	Change	Confirm no trip
Positive Vector Shift	49.0 Hz	+50 degrees	No trip
Negative Vector Shift	50.0 Hz	- 50 degrees	No trip

Protection – Frequency change, RoCoF Stability test: The requirement is specified in section 11.3, test procedure in Annex A.1.2.6 (**Inverter** connected) or Annex A2 A.2.2.6 (Synchronous). Confirmation is required that the **Micro-generating Plant** does not trip for the duration of the ramp up and ramp down test.

Ramp range	Test frequency ramp:	Test Duration	Confirm no trip
49.0 Hz to 51.0 Hz	+0.95 Hzs ⁻¹	2.1 s	No trip
51.0 Hz to 49.0 Hz	-0.95 Hzs ⁻¹	2.1 s	No trip

Limited Frequency Sensitive Mode – Overfrequency test: This test should be carried out in accordance with A.1.2.8. The test should be carried out using the specific threshold frequency of 50.4 Hz and **Droop** of 10%. The measurement tolerances are contained in A.1.2.8.

Test sequence at Registered Capacity >80%	Measured Active Power Output	Frequency	Primary Power Source	Active Power Gradient
Step a) 50.00 Hz ±0.01 Hz	9955	50.00		NA
Step b) 50.45 Hz ±0.05 Hz	9845	50.45		9.29%
Step c) 50.70 Hz ±0.10 Hz	9336	50.70	DC SOURCE	9.82%
Step d) 51.15 Hz ±0.05 Hz	8443	51.15		10.08%
Step e) 50.70 Hz ±0.10 Hz	9343	50.70		10.00%
Step f) 50.45 Hz ±0.05 Hz	9831	50.45		12.25%
Step g) 50.00 Hz ±0.01 Hz	9949	50.00		NA

³ If the device requires additional shut down time (beyond 0.5 s but less than 1 s) then this should be stated on this form.

Test sequence at Registered Capacity 40% - 60%	Measured Active Power Output	Frequency	Primary Power Source	Active Power Gradient
Step a) 50.00 Hz ±0.01 Hz	4988	50.00		NA
Step b) 50.45 Hz ±0.05 Hz	4880	50.45		9.26%
Step c) 50.70 Hz ±0.10 Hz	4355	50.70	DC SOURCE	9.52%
Step d) 51.15 Hz ±0.05 Hz	3448	51.15		9.92%
Step e) 50.70 Hz ±0.10 Hz	4355	50.70		9.92%
Step f) 50.45 Hz ±0.05 Hz	4849	50.45		10.12%
Step g) 50.00 Hz ±0.01 Hz	4989	50.00		NA

Power output with falling frequency test: This test should be carried out in accordance with A.1.2.7.				
Test sequence	Measured Active Power Output	Frequency	Primary power source	
Test a) 50 Hz ± 0.01 Hz	7837 W	50.00 Hz	8056 W	
Test b) Point between 49.5 Hz and 49.6 Hz	7835 W	49.55 Hz	8052 W	
Test c) Point between 47.5 Hz and 47.6 Hz	7837 W	47.55 Hz	8053 W	
NOTE: The operating point in Test (b) and (c) shall be maintained for at least 5 minutes				

Re-connection timer.

Test should prove that the reconnection sequence starts after a minimum delay of 20 s for restoration of voltage and frequency to within the stage 1 settings of Table 2. Both the time delay setting and the measured delay should be provided in this form; both should be greater than 20 s to pass. Confirmation should be provided that the **Micro-generating Plant** does not reconnect at the voltage and frequency settings below; a statement of "no reconnection" can be made.

Time delay Measured	Checks on no reconnection when voltage or frequency is brought to just
setting delay	outside stage 1 limits of table 2.

13.0ms

In seconds



Reactance/Resistance Ratio of

source*

60s	89 s	At 266.2 V	At 180.0 V	At 47.4 Hz	At 52.1 Hz
Confirmation Micro-generation not re-connection	rator does	No reconnection	No reconnection	No reconnection	No reconnection

Fault level contribution: These tests shall be carried out in accordance with EREC G98 Annex A1 A.1.3.5 (Inverter connected) and Annex A2 A.2.3.4 (Synchronous). Please complete each entry, even if the fault contribution is zero. For machines with electro-magnetic output For **Inverter** output Parameter Symbol Value Time Volts after **Amps** fault Peak Short Circuit current 20 ms 172V 11.5A ĺρ Initial Value of aperiodic current Α 100 ms 0 0 0 0 250 ms Initial symmetrical short-circuit I_k current* 0 0 Decaying (aperiodic) component 500 ms i_{DC} of short circuit current*

For rotating machines and linear piston machines the test should produce a 0 s - 2 s plot of the short circuit current as seen at the **Micro-generator** terminals.

Time to trip

X/R

Logic Interface (input port)	
Confirm that an input port is provided and can be used to reduce the Active Power output to zero	Yes
Provide high level description of logic interface, e.g. details in 9.4.3 such as AC or DC signal (the additional comments box below can be used)	Yes
Self-Monitoring solid state switching: No specified test requirements. Refer to EREC G98 Annex A1 A.1.3.6 (Inverter connected).	NA

^{*} Values for these parameters should be provided where the short circuit duration is sufficiently long to enable interpolation of the plot

It has been verified that in the event of the solid state switching device failing to disconnect the Micro-generator , the voltage on the output side of the switching device is reduced to a value below 50 V within 0.5 s.	NA
Cyber security	
Confirm that the Manufacturer or Installer of the Micro-generator has provided a statement describing how the Micro-generator has been designed to comply with cyber security requirements, as detailed in 9.7.	Yes

Additional comments

Logic interface (input port):

By default the DNO logic interface will take the form of a simple binary output that can be operated by a simple switch or contactor. When the switch is closed the Micro generator can operate normally. When the switch is opened the Micro generator will reduce its Active Power to zero within 5 s. The signal from the Micro generator that is being switched is DC 3.3V. If the DNO wishes to make use of the facility to cease Active Power output the DNO will agree with the Generator how the communication path is to be achieved.