

Form A1-2 : Application for connection of Fully Type Tested Generation under the Small Generation Installation Procedures

For **Small Generation Installation** Procedures 2 or 3, this simplified application form can be used where all of the following eligibility conditions are met:

- The new and existing **Generating Units** are located in a single **Generator's Installation**;
- The **Intrinsic Design Capacity (IDC)** of each new and existing **Generating Unit** is no more than 32 A;
- All of the **Generating Units** (including **Electricity Storage** devices) are connected via EREC G98 or EREC G99 **Fully Type Tested** inverters;²⁰
- The total aggregate **Registered Capacities** of all the **Generating Units** (including **Electricity Storage** devices) is less than 60 A per phase; and
- Where required by the relevant **Small Generation Installation** procedure SGI-2 or SGI-3, an EREC G100 compliant export limitation scheme is present that limits the export from the **Generator's Installation** to the **Distribution Network**;

DNOs may have their own forms; refer to the **DNO's** websites and online application tools. The application should include the **Manufacturer's** reference number (the system reference) from the ENA Type Test Verification Report Register.

If all the eligibility conditions apply the **DNO** will confirm that the installation can proceed. The planned commissioning date stated on the application shall be between 10 working days and 3 months from the date the application is submitted.

On completion of the installation the **Installer** shall submit the commissioning sheets, as required in EREC G100 alongside the EREC G99 forms.

To	ABC electricity distribution	DNO
	99 West St, Imaginary Town, ZZ99 9AA	abcd@wxyz.com
Generator details:		
Generator (name)		
Address		
Post Code		
Contact person (if different from Generator)		
Telephone number		

²⁰ Or **Type Tested** to EREC G83 or G59 where the **Generating Unit** was connected prior to 27 April 2019.

Details of proposed additional Generating Unit(s)								
Manufacturer	Approximate Date of Installation	Energy source and energy conversion technology (enter codes from tables 1 and 2 below)	Manufacturer's Ref No. where available	Generating Unit Intrinsic Design Capacity & Registered Capacity (kW)*				Energy storage capacity for Electricity Storage devices (kWh)
				3-phase units		Single Phase Units		
				IDC	RC	IDC	RC	
Details of Export Limitation Scheme								
Where an export limitation scheme is required by SGI-2 or SGI-3 please state export limit setting in amps.								
Please confirm all of the statements are true by ticking each box:								
The Generating Unit(s) is located in a single Generator's Installation .								
The Intrinsic Design Capacity of each new and existing Generating Unit is no more than 32 A.								
All of the Generating Units (including Electricity Storage devices) are connected via EREC G99 or G98 Type Tested Inverters (or EREC G59 or G83 Type Tested Inverters , where the Power Generating Unit was installed prior to 27 April 2019)								
The total aggregate Registered Capacity of the Generating Units (including Electricity Storage devices) is no more than 60 A per phase.								
An EREC G100 compliant export limitation scheme is present that limits the export from the Generator's Installation to the Distribution Network if required by SGI-2 or SGI-3.								
The following information should be submitted with the application:								
Copy of single line diagram of export limitation scheme								
Explanation / description of the EREC G100 export limitation scheme operation including a description of the fail-safe functionality, ie the response of the scheme following failure of any component or device of the fail-safe system, or following any loss of communication between the components and devices of the scheme.								

<p>Note, fail-safe tests are not required at installations where all Generating Units are EREC G83 or EREC G98 Type Tested, aggregated capacity is not more than 32 A per phase and export capacity is limited to 16 A per phase.</p>	
<p>Additional details:</p>	
<p>Target date for provision of connection / commissioning of new Generating Units devices:**</p>	
<p>EREC G100 compliance declaration / EREC G100 Type Test reference as applicable:</p>	
<p>Signed :</p>	<p>Date :</p>
<p>Use continuation sheet where required.</p> <p>* Record Generating Unit Registered Capacity kW at 230 AC, to one decimal place, under PH1 for single phase supplies and under the relevant phase for two and three phase supplies.</p> <p>**The planned commissioning date shall be at least 10 working days from the date of application but not more than 3 months in advance (connection offers are only valid for 3 months).</p>	

Table 1

	Energy Source
A	Advanced Fuel (produced via gasification or pyrolysis of biofuel or waste)
B	Biofuel - Biogas from anaerobic digestion (excluding landfill & sewage)
C	Biofuel - Landfill gas
D	Biofuel - Sewage gas
E	Biofuel - Other
F	Biomass
G	Fossil - Brown coal/lignite
H	Fossil - Coal gas
I	Fossil - Gas
J	Fossil - Hard coal
K	Fossil - Oil
L	Fossil - Oil shale
M	Fossil - Peat
N	Fossil - Other
O	Geothermal
P	Hydrogen
Q	Nuclear
R	Solar
S	Stored Energy (all stored energy irrespective of the original energy source)
T	Waste
U	Water (flowing water or head of water)
V	Wind
W	Other

Table 2

	Energy Conversion Technology
1	Engine (combustion / reciprocating)
2	Fuel Cell
3	Gas turbine (OCGT)
4	Geothermal power plant
5	Hydro - Reservoir (not pumped)
6	Hydro - Run of river
7	Hydro - Other

	Energy Conversion Technology
8	Interconnector
9	Offshore wind turbines
10	Onshore wind turbines
11	Photovoltaic
12	Steam turbine (thermal power plant)
13	Steam-gas turbine (CCGT)
14	Tidal lagoons
15	Tidal stream devices
16	Wave devices
17	Storage - Chemical - Ammonia
18	Storage - Chemical - Hydrogen
19	Storage - Chemical - Synthetic Fuels
20	Storage - Chemical - Drop-in Fuels
21	Storage - Chemical - Methanol
22	Storage - Chemical - Synthetic Natural Gas
23	Storage - Electrical - Supercapacitors
24	Storage - Electrical - Superconducting Magnetic ES (SMES)
25	Storage - Mechanical - Adiabatic Compressed Air
26	Storage - Mechanical - Diabatic Compressed Air
27	Storage - Mechanical - Liquid Air Energy Storage
28	Storage - Mechanical - Pumped Hydro
29	Storage - Mechanical - Flywheels
30	Storage - Thermal - Latent Heat Storage
31	Storage - Thermal - Thermochemical Storage
32	Storage - Thermal - Sensible Heat Storage
33	Storage - Electrochemical Classic Batteries -Lead Acid
34	Storage - Electrochemical Classic Batteries -Lithium Polymer (Li-Polymer)
35	Storage - Electrochemical Classic Batteries -Metal Air
36	Storage - Electrochemical Classic Batteries -Nickle Cadmium (Ni-Cd)
37	Storage - Electrochemical Classic Batteries -Sodium Nickle Chloride (Na-NiCl ₂)
38	Storage - Electrochemical Classic Batteries -Lithium Ion (Li-ion)
39	Storage - Electrochemical Classic Batteries -Sodium Ion (Na-ion)
40	Storage - Electrochemical Classic Batteries -Lithium Sulphur (Li-S)
41	Storage - Electrochemical Classic Batteries -Sodium Sulphur (Na-S)
42	Storage - Electrochemical Classic Batteries -Nickle –Metal Hydride (Ni-MH)
43	Storage - Electrochemical Flow Batteries - Vanadium Red-Oxide
44	Storage - Electrochemical Flow Batteries - Zinc – Iron (Zn –Fe)

	Energy Conversion Technology
45	Storage - Electrochemical Flow Batteries - Zinc – Bromine (Zn –Br)
46	Storage - Other
47	Other