NETWORKS

# SMALL SCALE GENERATION APPLICATION
## (INVERTER VERSION FORM NC8)[1]

For connections at LV or MV with an installed inverter connected generation capacity between 50kVA and 200kVA for three phase connections.

[1] For synchronous connected generators, use NC5 application form. Please refer to our website https://esbnetworks.ie

ESB Networks DAC requires the information requested on this application form to manage your electricity supply connection. As the Distribution System Operator, this information is also required to enable ESB Networks DAC to manage the electricity network. The data controller is ESB Networks DAC. Please refer to our privacy policy at https://esbnetworks.ie/privacy

**Please fill in ALL sections in BLOCK CAPITALS**
**Do not leave any section blank; N/A to be used if it doesn't apply.**

**FOR OFFICIAL USE ONLY**
Date received: _____
Planner group: _____
DUOS group: _____
Supplier: _____

## 1. APPLICANT DETAILS:

Full name of the applicant: (if a company or a partnership give full company or trading name)

Full address of legal applicant required (in the case of a body corporate, the registered or principal office)

Eircode

Company reg. no., if applicable

VAT reg. no., if applicable

Mobile Number:

Landline:

Email:

Contact details as per above. Company's registered address will be used as the correspondence address.

Contact Person:

## 2. SITE ADDRESS (IF DIFFERENT FROM ABOVE)

Eircode

## 3. GENERATOR APPLICATION FEE

Please note that a generator application fee is required for this application. Please visit the Generator New Connections section of our website https://esbnetworks.ie for the current application fee for Small Scale Generation. Please refer to our website https://esbnetworks.ie on payment methods available.

## 4. INSTALLER[2] / CONSULTANT NAME AND CORRESPONDENCE DETAILS

Landline:

Mobile number:

Email:

REC Safe Electric ID No:

[2] Engaging the services of a registered installer is the responsibility of the applicant. ESB Networks DAC accepts no responsibility for checking details of installers. If an applicant makes a false, misleading or inaccurate declaration in respect of their installer, this will be deemed to be an "event of default" under the connection agreement

## 5. SMALL SCALE GENERATION (INVERTER VERSION) DATA

Please attach certification (Type Test with Harmonic currents and for ELS the Manufacturer's ELS Product Declaration for ESB Networks). Please see Conditions Governing the Connection and Operation of Small Scale Generation (DOC-310522-HLU) and Conditions Governing the Connection and Operation of Export Limiting Schemes at LV and MV (DOC-250221-GBT)

**Please provide 11 digit MPRN no:** **or Job ID for New Connections**
**For existing connections the MPRN must be registered to the Applicant Name advised in Section 1. If not, please contact your supplier to change.**

| | |
|---|---|
| Current Contracted Maximum Import Capacity (MIC) | (kVA) |
| Current Contracted Maximum Export Capacity (MEC) (if any) | (kVA) |
| Current Inverter Capacity Installed (if any) | (kVA) |
| Total Additional Export Capacity Proposed | (kVA)[3] |
| Total Additional Inverter Capacity Proposed | (kVA)[3] |
| Phase of connection | Single ☐ Three ☐ |
| 1. If the customer wishes ESB Networks to assess the connection for the MEC level nearest to the MEC level proposed, but where no reinforcement costs apply, tick 'Yes'. Otherwise tick 'No' and the MEC level proposed will be assessed and a quotation issued for the costs of any reinforcement work required. | Yes ☐ No ☐ |
| 2. In all cases where the Total Installed Inverter Capacity is greater than the MEC available, then an Export Limitation Scheme (ELS) (DOC-250221-GBT) is required, in order to have the possibility of installing more than the MEC. Does the customer intend to install an ELS with the Small Scale Generation? | Yes ☐ No ☐ |
| 2a. If the customer then wishes ESB Networks to assess the connection for the ELS level nearest to the Total Installed Inverter Capacity proposed, but where no reinforcement costs apply, tick 'Yes'. Otherwise tick 'No' and the Total Installed Inverter Capacity proposed will be set as the ELS level and a quotation will be issued for the costs of any reinforcement work required. | Yes ☐ No ☐ |

[3] Please note the proposed kVA in section 5 may not be available without reinforcement work being required and is subject to the customers decision on bearing such costs as outlined in statements 1 & 2 in section 5

## 6. SMALL SCALE GENERATION (INVERTER BASED VERSION) DETAILS (Type Test with Harmonic details to be attached)

| | Existing Generation | New Generation Proposed: | |
|---|---|---|---|
| | | Unit 1 | Unit 2 |
| Single Phase / Three Phase | 1PH ☐ 3PH ☐ | 1PH ☐ 3PH ☐ | 1PH ☐ 3PH ☐ |
| Energy Source: (Wind (W) / PV (P) / Hydro (H) / CHP (C) / Battery (B) / Other (O) | | | |
| Manufacturer | | | |
| Manufacturer's Model / Reference No. | | | |
| Inverter Capacity (kVA)<br>Note that Cumulative Inverter Capacity cannot exceed the lesser of MIC or 200kVA, and that the peak output must not exceed the MEC or ELS limits | | | |
| Generator (kVA) installed behind each Inverter | | | |
| Storage (kVA) installed behind each Inverter | | | |
| Confirm that the interface will have settings installed as per Conditions Governing the Connection and Operation of Small Scale Generation DOC-310522-HLU | Yes ☐ No ☐ | Yes ☐ No ☐ | Yes ☐ No ☐ |
| Have Harmonic Currents as per Type Test Certificate been provided as per Conditions Governing the Connection and Operation of Small Scale Generation DOC-310522-HLU | Yes ☐ No ☐ | Yes ☐ No ☐ | Yes ☐ No ☐ |

## 7. SIGNATURE OF APPLICANT / AUTHORISED SIGNATORY

**Signed:** _____ **Full Name (BLOCK CAPITALS):** _____

**Position Held:** _____ **Date:** _____

**You agree to let ESB Networks DAC connect the network to your equipment. You acknowledge that we are entitled to connect other customers to the network.**

**We may need evidence that you have the authority to sign this form. If you are a third party making this application please attach a letter of authority from the registered account holder.**

## 8. DATA PROTECTION

ESB Networks DAC may use your personal data to the extent necessary (a) to set up and manage your connection agreement (b) for compliance with its licence and other legal obligations; and/or (c) for its legitimate interests (provided those interests do not conflict with your fundamental rights and freedoms) Personal data provided by you in this application form may be disclosed to other parties in the following circumstances:

- In performing its functions, ESB Networks DAC may utilise the services of contractors or other suppliers. ESB Networks DAC may disclose your data to these parties to the extent necessary to perform their functions and provided they are only permitted to use your data as instructed by ESB Networks DAC. They are also required to keep your data safe and secure.
- ESB Networks DAC may make available the existence, location and/or technical aspects of your connection to licensed electricity supply companies and other parties involved in your electricity supply. In the case of new connections, ESB Networks DAC will make available your telephone contact number to licensed electricity supply companies in order to facilitate energisation of the connection.
- ESB Networks DAC may be required by law, or our license obligations, to provide data that ESB Networks DAC holds about you, your electricity supply or connection, to government agencies or departments, the Commission for Regulation of Utilities or other third parties.
- Contact details may also be provided to a professional third party market research company for the purposes of researching your satisfaction with the services provided by ESB Networks DAC. This information may also be used to enhance our services as the Distribution System Operator.

## 9. DID YOU REMEMBER TO?

- Insert your MPRN number or Job ID for New Connection ☐
- Include block diagram showing connection arrangements for Generation and Storage connected to each Inverter and how these Inverters are connected to the distribution network, along with the position of any additional relays required in DOC-310522-HLU and associated references ☐
- Attach Type Test[4] certificates for each Small Scale Generator ☐
- Where applicable, attach the ELS Technical Details and the Manufacturer's ELS Product Declaration for ESB Networks as set out in DOC-250221-GBT ☐
- Attach a Letter of Authority if applying on behalf of the Applicant ☐

Please return completed form and any additional documentation which is set out in the Small Scale Generation and ELS standards to:

**dsosmallscalegeneration@esb.ie** or
**ESB Networks DAC, NC8 Small Scale Generation (Inverter connected), New Connections, Sarsfield Road, Wilton, Cork T12E367**

**Please note that incomplete applications will be returned.**

[4] The Type Test Certificate, or accompanying documentation from the manufacturer shall specify the harmonic currents in Amps up to the 50th Harmonic.




**ESB Networks DAC**
DIRECTORS: Marguerite Sayers (Chairperson), Nicholas Tarrant, Caroline Spillane, Ian Talbot, Michael Nolan.
Registered Office: Three Gateway, East Wall Road, Dublin 3. D03 R583, Ireland
Registered In Ireland No. 465172