**Vector Limited**

**Application Form – Distributed Generation (10kW or less in total)**

Please note: You must complete all fields in order for your Distributed Generation system to be approved.

**Contact Details**

|  |  |  |
| --- | --- | --- |
| **Contact Details** | **Owner or Operator** | **Installer** |
| Full Name |  |  |
| Residential Address |  |  |
| Postal Address (if different from above) |  |  |
| Daytime Phone Number |  |  |
| Email Address |  |  |

**Site Details**

|  |  |
| --- | --- |
| ICP Number (from Electricity Bill) |  |
| Site Address |  |

**Distributed Generation Details**

|  |  |
| --- | --- |
| Is the proposed connection a new connection or an increase in capacity? |  |
| Type of Generation (eg photo voltaic) |  |
| Total Generation kVA output |  |
| Power factor |  |

**Technical Specifications**

Please note:

* The inverter installer must be a qualified electrician and must be familiar with the installation requirements of the AS4777.1 standard (AS4777 part 1).
* The installer must be able to provide a signed Certificate of Compliance on completion of the installation, confirming the installation has been installed in accordance with the requirements contained in Vector’s connection and operation standards.
* The installer must ensure, and certify, that the inverter settings comply with Vector’s connection and operation standards.

**Is the inverter selected from Vector’s pre-approved list? Y N**

(Please circle the correct response)

*If your inverter is NOT on Vector’s pre-approved list on the website, it will have to pass through an approval process and therefore your application will take longer to process.*

If the inverter was selected from Vector’s approved inverter list, please enter the list number here:

|  |
| --- |
|  |

Please confirm the details of your inverter below:

|  |  |
| --- | --- |
| Make |  |
| Model |  |
| Maximum rated inverter kW output |  |
| Number of inverters to be connected |  |
| Serial number/s |  |
| If battery storage, what is the battery output (amp hour rating?) |  |
| Connected voltage (select one) | 230V single phase/400V three phase |

*Please fill out this table if your inverter has single-stage-over-voltage protection*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Parameter** | **Maximum acceptable disconnection (trip) time in seconds** | **Minimum acceptable setting** | **Maximum acceptable setting** | **Applicants**  **inverter**  **maximum trip time (seconds)** | **Applicants**  **inverter voltage settings** |
| a | Over-voltage (>230V) | 0.5 s | 230 V | 253 V |  |  |
| b | Under-voltage (<230 V) | 2 s | 184 V | 230 V |  |  |
| c | Over-Frequency (>50 Hz) | 2 s | 50 Hz | 52 Hz |  |  |
| d | Under-Frequency (<50 Hz) | 2 s | 45 Hz | 47.5 Hz |  |  |

*Please fill out this table if your inverter has dual-stage-over-voltage protection*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Parameter** | **Maximum acceptable disconnection (trip) time in seconds** | **Minimum acceptable setting** | **Maximum acceptable setting** | **Applicants**  **inverter**  **maximum trip time (seconds)** | **Applicants**  **inverter voltage settings** |
| a | Over-Voltage stage 1 | 3 s | 230 V | 253 V |  |  |
| b | Over-Voltage stage 2 | 0.2 s | 230 V | 265 V |  |  |
| c | Under-Voltage (<230V) | 2 s | 184 V | 230 V |  |  |
| d | Over-Frequency (>50 Hz) | 2 s | 50 Hz | 52 Hz |  |  |
| e | Under-Frequency (<50 Hz) | 2 s | 45 Hz | 47.5 Hz |  |  |

I confirm that the information provided in this form is true and accurate:

|  |  |
| --- | --- |
| Name |  |
| Date |  |
| Signature |  |