**Vector Limited**

**Application Form – Battery Storage**

Please note: You must complete all fields in order for your battery storage 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 |  |
| Is the above site a new building? |  |

**Battery storage Details**

|  |  |
| --- | --- |
| Is this a new connection? (Yes/No) |  |
| Battery make |  |
| Battery model |  |
| Total storage capacity kWh |  |

**Technical Specifications**

**Please note:**

* The inverter installer must be a qualified electrician and must be familiar with the installation requirements of the AS/NZS 4777.1:2016 standard (and comply with the requirements of AS/NZS 3000
* The installer must provide a signed **Certificate of Compliance** on completion of the installation, confirming the installation has been installed in accordance with AS/NZS 4777.1, AS/NZS 3000 and Vector’s Technical requirements (ENS-4009)
* The installer must provide a **screenshot of the inverter settings** to ensure, and certify, that they comply with Vector’s connection and operation standards.

**Is the inverter on Vector’s pre-approved list? Yes / No**

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

Please confirm the details of your inverter/s below:

|  |  |
| --- | --- |
| Inverter make |  |
| Inverter model |  |
| Maximum rated output (in kWh) per inverter |  |
| Number of inverters to be connected |  |
| Serial number/s |  |
| Is your inverter AS/NZS4777.2:2015 approved?  *If “yes” proceed to the signature table and attach a screenshot of the inverter display showing it is set to “New Zealand” to your form* | **Yes No** |

If your inverter is approved to the old AS 4777 standard then please fill out one of the following three options:

1. *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**  **disconnection (trip) time in seconds** | **Applicants**  **inverter setting** |
| 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 |  |  |

1. *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**  **disconnection (trip) time in seconds** | **Applicants**  **inverter setting** |
| 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 |  |  |

1. *If your inverter protection settings are set according to the European Standard EN 50438*

|  |  |
| --- | --- |
| I confirm the inverter/s protection settings are set according to EN 50438 default settings.  Attach a screenshot of the inverter display showing it is set to “EN 50438” | **Yes No** |

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

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