

Application to connect Distributed Generation (DG) to Vector's electricity network (equal or less than 10kW)



Site details

ICP number (from electricity bill)	Click or tap to enter data
Site address	Click or tap to enter data

Generation details

Is the proposed connection a new connection or an increase in capacity?	
Proposed date of installation	Click or tap to enter data
Type of generation (e.g. solar, wind etc)	Click or tap to enter data
Maximum export power rate (in kW)	Click or tap to enter data
Maximum nameplate capacity (in kW)	Click or tap to enter data

Inverter details

Technical specifications

Please note:

- The installer must be a qualified electrician and must be familiar with the installation requirements of the AS/NZS 4777.1 and AS/NZS 4777.2 standards.
- The installer must be able to provide a signed certificate of compliance to Vector on completion of the installation, confirming the installation has been installed in according 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.

How many inverters are there?	Click or tap here to enter text
What is the connected voltage?	Select option
Are the inverters selected from Vector's pre-approved list?	<input type="checkbox"/> Yes please go to Pre-approved inverter(s) <input type="checkbox"/> No please go to Other inverter(s)

*Note: If your inverter is **not** on Vector's pre-approved list, it will have to pass through an approval process and your application will take longer to process.*

Pre-approved inverter(s)

List of all pre-approved makes and models here

Other inverter(s) (any inverters not on Vector's pre-approved list)

Please provide the inverter information below:

What is the type of inverter?	Select option
List the Make & model of each inverter	Click or tap here to enter text
What is the maximum charge rate for each V2G inverter (in kW)? <i>Input 0 if no V2G inverter</i>	Click or tap here to enter text
What is the maximum discharge (export) rate for each inverter (in kW)?	Click or tap here to enter text

Please fill out this table with your inverter voltage and frequency protection settings

	Parameter	Inverter Setting Value	Inverter Setting Value (1ph)	Inverter maximum disconnection (trip) time	Applicant's inverter voltage settings	Applicants' inverter maximum disconnection (trip) time
a	Over-voltage 1 (V >)	1.152 p.u.	265 V	2 seconds	xxx V	xx s
b	Over-voltage 2 (V >>)	1.196 p.u.	275 V	0.2 seconds	xxx V	xx s
c	Under-voltage 1 (V <)	0.784 p.u.	180 V	11 seconds	xxx V	xx s
d	Under-voltage 2 (V <<)	0.304 p.u.	70 V	2 seconds	xxx V	xx s
e	Over-frequency (F >)	55 Hz	55 Hz	0.2 seconds	xx Hz	xx s
f	Under-frequency (F <)	45 Hz	45 Hz	2 seconds	xx Hz	xx s

Please fill out this table with your inverter Volt / Watt settings

	Active Power (%)	Voltage	Voltage (V)	Applicants' Active Power (%)	Applicant's Voltage Setting (V)
P1	100%	0.9 p.u.	207 V	xxx	xxx
P2	100%	0.956 p.u.	220 V	xxx	xxx
P3	100%	1.06 p.u.	244 V	xxx	xxx
P4	20%	1.109 p.u.	255 V	xxx	xxx

Please fill out this table with your inverter Volt / VAr settings

	Reactive Power (%)	Voltage	Voltage (V)	Applicants' Reactive Power (%)	Applicant's Voltage Setting (V)
V1	60% (Capacitive)	0.9 p.u.	207 V	xxx	xxx
V2	0%	0.956 p.u.	220 V	xxx	xxx
V3	0%	1.02 p.u.	235 V	xxx	xxx
V4	-60% (Inductive)	1.06 p.u.	244 V	xxx	xxx

Battery information

Are batteries being installed?	<input type="checkbox"/> Yes Please provide details below <input type="checkbox"/> No Please go to Acknowledgements
Number of batteries	Click or tap here to enter text
Maximum charge rate for each battery installed (in kW)	Click or tap here to enter text
Maximum discharge (export) rate for each battery installed (in kW)	Click or tap here to enter text
Maximum nameplate storage in kWh	Click or tap here to enter text

Declarations and signature

- I / We hereby request to connect distributed generation to Vector's electricity network
- I / We confirm that the property owner and the electricity account holder have consented to this application and the installation of the distributed generation
- I / We confirm that the information provided in this application is true and accurate
- I / We agree to comply with all requirements of a distributed generator as required under Part 6 of the Electricity Industry Participation Code 2010
- I / We agree to inform Vector of any future changes to the distributed generation installation
- I / We acknowledge Vector will set the maximum limit the system is able to export to its network and that this may be different from the systems full export capacity
- I / We confirm Transpower will be contacted if the export value is greater than 1 MW

Full name	Click or tap here to enter text
Date	Click or tap to enter a date.
Signature	

Please provide the contact details for this application on the following page

Contacts

Requester details

Role of requester	Select an option
Full name	Click or tap here to enter text
Billing address	Click or tap here to enter text
Daytime phone number	Click or tap here to enter text
Email address	Click or tap here to enter text