

Distributed Energy Resource (DER) Connection Application Form



For Grid Connected DER over 10kW

This document outlines the approval and connection timelines, and technical requirements for Grid connected DER with an output over 10kW. In most cases, this will be Solar, Battery or Vehicle to Grid Connections.

This is DER applied for under Part 2 of Schedule 6.1 of the EIPC.

Application and Approval

- An application for connection of DER over 10kW using an approved inverter must be completed using this form.

Initial Application

- Within 5 working days of receipt of your application we will confirm whether your application contains all necessary information to allow assessment.
- Within 10 working days of receipt of your application we will notify you of whether your application is approved or declined.
 - If your application is approved, we may outline additional technical requirements to our Network Connection Standard to enable safe and reliable operation of our Network.
 - If your application is declined, we will provide detailed information as to why it was declined and the steps you may take to achieve approval under another application.

Final Application

- Within 30 working days of receipt of your application we will notify you of whether your application is approved or declined.

Technical Requirements

DER connected following approval of this application must comply with the following:

- The Electricity Industry Participation Code 2010.
- The Electricity (Safety) Regulations 2010.
- Network Connection Standard.
- Inverters must:
 - Be designed and installed in accordance with AS/NZS 4777.1, and
 - Have a DoC issued in accordance with AS/NZS 4777.2, or
 - Be inverters approved by the **Clean Energy Council**.
- Must be capable of control using volt-watt and volt-var response modes.
- Where we have provided specific operation and protection settings for inverters, these must be used.
- Where we have not provided specific operation and protection settings for inverters, the default options for NZ under AS/NZS 4777.1 must be used.
- Provide supporting documentation e.g. SLD, Evidence of compliance with frequency and voltage support requirements, Commissioning and Testing Plan.

Commissioning and Livening

Depending on the complexity of the connected DER we may request to observe commissioning of the DER.

Within 10 working days of commissioning and livening the DER, the Installer must provide us with completed copies of the following:

- Any test forms provided by us as part of the DER approval.
- The Certificate of Compliance, Electrical Safety Certificate and Record of Inspection provided by the installer of the DER.

Process

1. Fill out the application form with generator details.
2. Scanpower will confirm receipt of application within 5 working days.
3. Scanpower will approve or decline the initial application within 10 working days.
4. Scanpower will approve or decline the initial application within 30 working days.
5. Scanpower will advise if additional processes such as pre and post installation inspections are required.

Return completed form to:
Scanpower Limited

0800 80 80 39
connections@scanpower.co.nz

Distributed Energy Resource (DER) Connection Application Form

For Grid Connected DER over 10kW

A. Consumer Information

Consumer Name:

ICP Number:

Street Address:

Town:

Post Code:

Email:

Application Stage: ☐ Initial ☐ Final

Application Type: ☐ New DER Connection ☐ Change to Existing DER Connection

B. Installer Information

Contact Person:

Company Name:

Postal Address:

Town/City:

Post Code:

Email:

Proposed
Connection Date:

C. Generating Unit Information

A Generating Unit comprises all equipment functioning together as a single entity to produce electricity.

Number of
Generating Units:

Number of Phases:

Generating Unit Components: ☐ PV Array ☐ Inverter ☐ Battery ☐ Vehicle to Grid
☐ Wind ☐ Hydro ☐ Other

PV Array Details

Panel
Manufacturer:

Panel Model:

Panel Wattage:

Number of Panels:

Number of Arrays:

Inverter Details

Inverter Manufacturer:		
Inverter Model:		
Nameplate Wattage (kW):	Maximum Export Rate (kW):	Number of Inverters:
Compliance Standard:		

Battery Details

Battery Manufacturer:		
Battery Model:		Number of Batteries:
Nameplate Capacity (kWh):	Maximum Charge Rate (kW):	Maximum Discharge Rate (kW):
Link to Generating Unit:	☐ Part of Generating Unit	☐ Stand Alone

Vehicle to Grid Details

Vehicle Manufacturer:	
Vehicle Model:	
Maximum Charge Rate (kW):	Maximum Discharge Rate (kW):
Compliance Standard:	

D. Change to Existing DER Connection

If this application is a modification to an existing DER, please attach details:
Pre-existing Inverter model and quantity / What is being removed, replaced and/or added.

E. Declaration

By submitting this application, I acknowledge that I will be responsible for the installation and maintenance of the system to the relevant Regulations and Standards and that I will notify the current and any future occupiers of the property concerned of the responsibilities and obligations of having DER connected to Scanpower's network.

Installer Signature:	Date:
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Scanpower Use Only			
☐ Application Approved	☐ Application Declined	☐ Additional Requirements Attached	Generation Capacity (kW):
Signature:	Date:		Maximum Export Capacity (kW):