

Inverter Energy Systems Greater than 200kW and All Rotating Embedded Generation Application Process



1

APPLICATION

Submit a connection application

The applicant completes an application for new or existing solar and/or embedded generation on the Ausgrid website. A credit card payment is required to complete the process.

Each application should include protection design package attachments as prescribed in NS194. Minimum requirements for all applications are:

- ✓ an installation single line diagram (SLD)
- ✓ a 3 phase protection schematic
- ✓ a location diagram which includes the location of site connection to grid, inverter locations, and relevant switchboard locations.

2

ASSESSMENT

Ausgrid will assess your connection application

- ✓ Ausgrid will conduct an initial application review and issue the applicant fee advice based on estimated assessment and commissioning costs.
- ✓ Ausgrid will assess the submitted design pack for compliance with relevant standards.
- ✓ Ausgrid will assess the compatibility of the proposed connection with the existing network in the area.
- ✓ If required, Ausgrid will provide options to proceed if any network limitations or constraints are identified.
- ✓ If required, Ausgrid will provide feedback on any amendments that are required for the design to be approved.
- ✓ Additional design submissions are to be submitted directly via email to connections at: **technical.enquiries@ausgrid.com.au**

Note: Additional fees may apply where Ausgrid needs to complete significant rechecking.

3

OFFER

Ausgrid issues a connection offer

- ✓ After successful network assessment and installation design review, Ausgrid will issue a connection offer via the Ausgrid Customer Portal.
- ✓ The approved SLD and protection drawings will be attached with the offer in the Ausgrid Customer Portal.

- ✓ Upon acceptance of the offer by the customer/applicant, the Ausgrid connection approval will be deemed complete. Ausgrid will email the applicant the Ausgrid Job Number and AEMO DER Register Job Number correspondence.

Note: The Ausgrid Job Number is to be used to book an Ausgrid installation inspector and protection representative to witness the testing of the protection systems once the works are complete.

4

CONSTRUCT

Completion of the installation as per Ausgrid approved design

- ✓ If the approved design is not constructable and requires amendments, a new design should be submitted to Ausgrid for review and approval. (Rechecking fees may apply)
- ✓ CCEW and MSB Compliance Statement (if required) are to be submitted to the Ausgrid Inspectors via the Ausgrid Customer Portal.

Note: Unapproved As Built Drawings will NOT be accepted.

5

INSPECT & TEST

Ausgrid inspects and witnesses testing prior to electrification

- ✓ Once the installation is complete and prior to permanent electrification of the embedded generation, an Ausgrid installation inspector and Ausgrid protection representative shall be scheduled to inspect the installation and witness the testing of the protection systems.
- ✓ For witness testing, the customer is to engage a suitably qualified tester with calibrated test equipment to carry out injection testing and other functional tests of the embedded generator protection system.
- ✓ Email your inspection and witness testing request to: resservicesupport@ausgrid.com.au
- ✓ Ausgrid will respond to the email request within 10 business days and will confirm an inspection date.
- ✓ The Ausgrid inspector will authorise the permanent electrification of the embedded generator installation onsite where no major defects are identified. Additional fees apply where re-inspections or re-testing is required.

Note: Please include the Ausgrid job number, project reference number and address details in the email when requesting an inspection and testing witness appointment.