

# Micro Embedded generation

Application for new connection and supply of an embedded generator (incl. solar, wind & micro-hydro)

Please print and complete relevant sections of this form and return to:

Post: TasNetworks Pty Ltd  
Customer Supply Team  
PO Box 419  
Launceston Tas 7250

Phone: 1300 137 008  
Fax: (03) 6324 7528  
Email: [newsupply.applications@tasnetworks.com.au](mailto:newsupply.applications@tasnetworks.com.au)

## Declaration

By completing this form you are agreeing to the details enclosed and accept liability for any costs incurred on this account. You are also agreeing to the terms and conditions of two TasNetworks contracts.

1. Connection services – terms and conditions governing the connection of your embedded generator to TasNetworks' distribution network, and
2. Supply services – terms and conditions suitable for embedded generation.

## Part 1 – Residential Customer details

Title	<input type="text"/>	Customer's full name	<input type="text"/>
Street address	<input type="text"/>		
Suburb	<input type="text"/>	Postcode	<input type="text"/>
Postal address (if different)	<input type="text"/>		
Suburb	<input type="text"/>	Postcode	<input type="text"/>
Contact phone	<input type="text"/>	Mobile	<input type="text"/>
Contact email	<input type="text"/>		

## Business Customer details

Business name	<input type="text"/>	ABN	<input type="text"/>
Contact name	<input type="text"/>		
Street address	<input type="text"/>		
Suburb	<input type="text"/>	Postcode	<input type="text"/>
Postal address (if different)	<input type="text"/>		
Suburb	<input type="text"/>	Postcode	<input type="text"/>
Contact phone	<input type="text"/>	Mobile	<input type="text"/>
Contact email	<input type="text"/>		

## Part 2 – Location of connection

Street address

Suburb  Postcode

National Meter Identifier (NMI) if known

Type of premises: Domestic/Residential  Commercial/Business  Industrial  Rural production  Council  Other

Retailer

## Part 3 – Connection details

Connection type

Embedded generation Wind  Hydro  Solar  Other

B6 Modify existing connection – micro embedded generation **single phase**  New connection with B6  B6 upgrade  Date of upgrade

B7 modify existing connection – micro embedded generation **multi-phase**  New connection with B7  B7 upgrade  Date of upgrade

Please refer to the Requirements for Connecting Micro Embedded Generating Systems to the TasNetworks Distribution Network which is contained in the Information Pack for Micro Embedded Generators on the TasNetworks website at <https://www.tasnetworks.com.au/our-network/new-connections-and-alterations/connecting-micro-embedded-generators-information-p/>

## Part 4 – Description of connection request and generator operation

(ie designed to reduce/offset customer consumption or dedicated generation connection).

Estimated commissioning date(s)

Other information such as amount and timing of power required during construction or any auxiliary power requirements

## Part 5 – Detailed site information - new electricity connections

Distance from TasNetworks' existing electricity supply to proposed connection  metres. Pole Identification No.

How much of this distance is on:

Your Property  Metres Public Road  Metres Neighbours Property  Metres

Underground  Metres Overhead  Metres

Description of likely route of line and possible obstructions

No trees  Some trees  Heavily treed  Flat  Undulating  Hilly

Water  Rock  Railway  Highway  Buildings  Transmission Tower/Line

If new line is to cross a neighbour's property, are they likely to grant an easement? Yes  No  If no please provide other details

Diagram attached Yes  No

Have you discussed the easement with your neighbour? Yes  No

Proposed maximum demand  amps

# Part 5b – Detailed site information – existing electricity connections

My existing electricity connection is:

Underground  Length of your underground mains  Private mains size

Overhead  Pole Identification No.  Length of your overhead service wire

Existing maximum demand  amps

## Part 6 – Generator Details

Generator type  Photovoltaic (solar)

Number of modules  Manufacturer

Rated output (watts per module)

Number of inverters

Inverter Manufacturer

Inverter model no  Inverter rating  kW

Inverter rating  kVA

Does the inverter operate at REACTIVE power factor 0.9 LAGGING OR UNDER-EXCITED? Yes  No

Inverter phase/s  Single phase  3 phase

AS4777.2:2015 Grid C Connection of Energy Systems via Inverters Certificate Number

### All embedded generators:

-10kW and over connecting to LV supply must use a 3 phase inverter

-Under high risk of generating over-voltages (as advised by TasNetworks) should connect to the LV supply using a 3 phase connection

Wind Turbine  Gas Turbine  Diesel  Water turbine

Other (please describe)

Number of modules  Manufacturer

Rated output (watts per module)  Connection and protective equipment incorporated yes  No

Inverter Manufacturer

Inverter model no  Inverter rating  kW

Inverter phase/s  Single phase  3 phase  Inverter rating  kVA

Number of inverters

AS4777.2:2015 Grid Connection of Energy Systems via Inverters Certificate Number

Provide generator machine type details i.e. induction, synchronous, etc.

Preferred site location, listing any alternatives in order of preference

Maximum power generation and / or demand of whole plant

Maximum kW and / or kVA, or average over 15 minutes or similar

Expected energy production or consumption in kWh per month

Nature of any disturbing load – size of disturbing component kW/kVAR

Duty cycle

Nature of power electronic plant which may produce harmonic distortion

**All embedded generators:**

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-Under high risk of generating over-voltages (as advised by TasNetworks) should connect to the LV supply using a 3 phase connection

## Part 6b – Energy Storage (battery) Details

Will the embedded generation system incorporate battery storage?

Yes

No

If Yes, please provide the following details:

Battery manufacturer:

Battery nameplate rating information:

Total energy storage output:

kWh or

Ah

Will you have communications installed

Yes

No

Other (please describe)

**Please provide a single line diagram of the proposed embedded generation and battery installation.**

## Part 7 – Connection equipment

The generator system owner/s shall install all equipment in accordance with all relevant Australian standards and as outlined in the system details. All equipment shall be operated in a safe and reliable manner.

The generator system owner/s shall inform TasNetworks about any changes in the system details provided in the application.

Each party shall be responsible for the operation and maintenance of the equipment owned by it and must maintain such equipment in accordance with good electricity industry practice (as defined in the Tasmanian Electricity Code and Australian Standards).

The parties shall comply with all instructions, directions or powers of the System Controller (as defined in the Tasmanian Electricity Code) in relation to all connection equipment.

## Part 8 – Electrical contractor details

Contact name of electrical contractor (if applicable)

Business name of contractor

ABN

Postal address

Suburb

Postcode

Contact phone

Mobile

Contact email

# Installer Details

Contact name of solar installer [Redacted]

Business name of installer [Redacted] ABN [Redacted]

Postal address [Redacted]

Suburb [Redacted] Postcode [Redacted]

Contact phone [Redacted] Mobile [Redacted]

Contact email [Redacted]

## Part 9 – Customer signature or agent authority

Customer/Signature [Redacted] Date [Redacted]

Applicant Signature (other than customer) [Redacted] Date [Redacted]

Full name and title [Redacted]

## Additional Information:

[Redacted]

## Attachment – single line diagram of generator system

Example single line diagram: single phase 5kW solar PV array SLD

