

Notification of inverter energy system connection details

This form must be completed and signed by the Electrical Contractor connecting the system.

The completed form must be attached to the Notice of Completion.

Instructions

All systems must comply with the approval conditions.

Approval required

All systems must be individually assessed and approved by Western Power. Before installing and connecting a system you must obtain from the customer a copy of the approval letter (email) received from Western Power – the application number will be recorded on this communication.

Bi-directional meter

All systems must be connected via a bi-directional meter. Please advise the customer if the existing meter is unsuitable and advise that the customer must contact their electricity retailer to request a change of meter.

System

System capacity must total $\leq 30\text{kW}$

- Capacity $\leq 5\text{kW}$ may be connected via 1, 2 or 3 ph
- Capacity $\geq 5\text{kW}$ must NOT be connected via 1ph

Inverter is on the current Clean Energy Council authorised inverter list.

Visit the Clean Energy Council website at <http://www.solaraccreditation.com.au/products/inverters/approved-inverters.html> to view the full list of approved inverters.

Inverter must comply with the following standards and settings:

- AS 4777 parts 1, 2 and 3
- AS/NZS 3000 and 3100
- Western Power's technical rules
- WA Connections Manual
- Protection settings

All protection settings within the inverter system will comply with the requirements of the technical rules.

Anti-islanding protection type according to AS4777.3 Clause 5.3	
Voltage	Acceptable range
Under-voltage set point	200 – 225 V
Over-voltage setpoint**	254 – 270 V
Frequency	Required Setting
Under-frequency set point	47.5 Hz
Over-frequency set point	52 Hz

**The inverter voltage setting should be set such that the inverter remains connected while the average (5 min) supply voltage is within 226 to 254 V. Voltages within the customer installation which are raised due to the inverter installation is responsibility of the customer.



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Completion Notice Number

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Generation installation details

Generation source type ☐ Photovoltaic ☐ Wind ☐ Hydro ☐ Other, please specify:

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Generation source description

Generation capacity kW

Energy storage ☐ None ☐ Battery

Inverter brand	Model	Units	Capacity
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> kW
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> kW
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> kW
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> kW
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> kW
Existing inverters			<input type="text"/> <input type="text"/> <input type="text"/> kW
Total			<input type="text"/> <input type="text"/> <input type="text"/> kW

Authorised inverter ☐ Yes, on current Clean Energy Council list of authorised inverters

Bi-directional meter ☐ Yes, inverters are connected via a bi-directional meter

WP authorised connection ☐ Yes, is < 3 kW and complies with Western Power's pre approval criteria

☐ Yes, is < 30 kW and has been approved

☐ Yes, is ≥ 30 kW and approved under a network access arrangement

Application number is

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Electrical Contractor declaration

Trading name

EC number

Name (please print)

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I declare that the above details are correct and connection has been authorised by Western Power.

Please tick to accept ☐

Date

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