



Embedded Generation Notice Photovoltaic Systems

1. Notice Statement:

We (the EG User detailed below) inform the Power and Water Corporation (PWC) that due to the quantity of electricity being generated by the Generation Facilities, the EG User has a reduced need for electricity supplied from the network.

The following **Technical Data** is supplied for the listed Schedules within the Formal Instrument of Agreement / Network Connection Agreement. If there is any ambiguity, discrepancy or inconsistency between these details and the Formal Instrument, the Formal Instrument will prevail to the extent of the ambiguity, discrepancy or inconsistency.

The **Installers Declaration attached** provides confirmation of actual connection information and satisfies *Clause 5.2(d)* of the Embedded Generator User Agreement - General Conditions / *Clause 1* of the Network Connection Agreement.

Embedded Generation User:

(Refer *Clause 3.1* of the Formal Instrument of Agreement / *Clause 1 (e)* of the Network Connection Agreement)

Business / Company name (if applicable):

ABN:

Installation Address:

Name (EG User):

Signature of Applicant

____ / ____ / ____ (Day/Month/Year)

The completed Embedded Generation Notice along with the Electrical Certificate of Compliance is to be submitted to the Connections Officer, Power Networks, Power and Water Corporation.

2. Technical Data

For *Schedule 1, Part A: Generating Unit Design* of the Formal Instrument of agreement/ *Clause 1 (e)* of the Network Connection Agreement:

(Complete All)

PV Inverter System Details	
Inverter make & model*:	
Σ Inverter rating (kVA)*:	
Export Limiting device ⁺ :	
PV Panel make & model:	
Total no. of PV panels:	
Total no. of Inverters	
PV Array Maximum Rated Output (Wp)~:	
Proposed PV System Generation (kwhr/day):	

Battery control system make & model*:	
Maximum Charge Rate (kW):	
Maximum Discharge Rate (kW):	

*Please enter specific model details as on the CEC approved lists

⁺Please enter specific model details as on the PWC approved lists

~PV Array Maximum Rated Output = (total number of panels) x (maximum panel rating)

For *Schedule 1, Part E: Diagrams – Connection Point* of the Formal Instrument of agreement / *Clause 1 (e)* of the Network Connection Agreement

- Attach schematic wiring diagram

3. Installers Declaration

Installation Address:

CoC Number(s):

System Designer	
Company Name	
Address	
Contact Name	
Telephone	
Email	
CEC Accreditation Number	A

System Installer	
Company Name	
Address	
Contact Name	
Telephone	
Email	
NT Electrical Contractor Licence Number	C
CEC Accreditation Number	A

The following is applied to the full battery/PV system:

Protection Scheme	Requirement	EG User Settings
Anti-islanding	Less than two seconds	
Auto-Synchronising	Greater than one minute	
Reconnection Time	Greater than one minute	
Overcurrent protection	To protect internal EG User and equipment	
Under voltage Trip Pick Up (<0.5s time delay / Inst)	Less than 210 Volts (Line – Neutral)	
Over voltage Trip Pick Up (<0.5s time delay / Inst)	Less than 253 Volts (Line – Neutral)	
Under Frequency Trip Pick Up (No time delay / Inst)	Less than 46 Hertz	
Over Frequency Trip Pick Up (No time delay / Inst)	Greater than 54 Hertz	
Power Factor	0.98 lagging (supplying VARs)	
PV Inverter Ramp Up Rate	6 minutes from 0 to 100% PV inverter output.	
System Ramp Down Rate (when BESS installed)	12 minutes from 100% PV inverter output to 0.	

I, _____ (Installer Name) _____, certify that the above

detailed PV/Battery system installed at

_____ (Installation Address) _____,

has been installed and commissioned in accordance with Power and Water Corporation’s “Technical Requirements for Grid Connection of Photovoltaic Systems via Inverters”, The Network Technical Code, all PWC approval letters and/or agreements as well as all relevant standards and statutory requirements. I further certify that the PV unit has been installed in accordance with good electricity industry practice and is ready for operation. In particular the following have been verified:

- The PV unit is within PWC approved size limits ;
- The schematic diagram has been checked and accurately reflects the installed electrical system;
- All required switches are present and operate correctly;
- Signage and labelling complies with Power and Water Technical Requirements for Grid Connection of Photovoltaic Systems via Inverters and AS4777.1;
- The PV unit has been installed correctly and is fit for purpose;
- All protection settings are within requirements; and
- The residual current device operates when grid power is removed.

Installer Signature: _____

_____ / _____ / _____ (Day/Month/Year) Licence Number: _C-_____