

Covering Letter (SAMPLE ONLY)

Ref: CX###

WR#

DD/MM/YYYY

Subject: Configuration of Installation e.g.: 500 kVA Inverter Energy System with Full Export, HV Connection Point

Project Name:

Location:

NMI:

Please find attached our submission for the above mentioned project.

This letter is to certify that as a Registered Professional Engineer of Queensland and by virtue of my training and experience, the submission documentation complies with the requirements of the latest revisions of the following:

- Site Specific Enquiry Response or Enquiry Response as relevant
- STNW1175 Version [#] - Standard for HV Embedded Generation (EG) Connections, including the relevant standards applicable to this installation therein
- STNW3522 Version [#] – Standard for Major Customer Connections, including the relevant standards applicable to this installation therein
- Queensland Electricity Connection Manual Version [#]

Details of generating system(s): *[example only]*

EG #	Size	Type	Operation	Units
1	110kVA	Solar PV (New)	Export	2 x 55kVA inverters
2	50kVA	Battery (Existing)	Non-export	1 x 50kVA battery inverter
TOTAL	Capacity	160kVA	Export	110kW

In addition to the above, the following documents have been submitted as part of the application:

- Network connection diagram (signed by RPEQ) including any existing generating sources
- Protection report, including inverter information, make, model, and instrument transformer details (signed by RPEQ)
- DNSP Approved Interface Protection Relay(IPR)- Name, Make and Model (list available on DNSP Website)
- Voltage Rise Calculations -the EG System has been designed so that there is a maximum 2% voltage rise from the EG System to the Connection Point.
- Master control scheme and logic for the EG System if present
- Electromagnetic transient (EMT) model of the EG system (for Class A1 EG System-If requested by the DNSP)

- Battery storage system details (if applicable), installed to AS/NZS 5139.
- Details of wireless transfer systems (if included)
- Details of interlocking schemes (if present) and industry standards compliance evidence for the interlocking system.
 - For mechanical (manually operated key systems) interlocking – also require a switching sheet,
 - For electronic interlocking (automated operation through programmed logic) – also require a functional design specification
- Where any electric vehicle service equipment is bi-directional, details of those systems including import and export details.

Summary Table *[amend as relevant]*

Documents	Submitted	Provide details
Single Line Diagram (SLD)	Yes <input type="checkbox"/> No <input type="checkbox"/>	
Power Quality Settings	Yes <input type="checkbox"/> No <input type="checkbox"/>	
Protection Report	Yes <input type="checkbox"/> No <input type="checkbox"/>	
IPR Details	Yes <input type="checkbox"/> No <input type="checkbox"/>	
Voltage rise calculations	Yes <input type="checkbox"/> No <input type="checkbox"/>	
Inverter details	Yes <input type="checkbox"/> No <input type="checkbox"/>	
Battery Storage details	Yes <input type="checkbox"/> No <input type="checkbox"/>	
Bi-directional EVSE details	Yes <input type="checkbox"/> No <input type="checkbox"/>	

Should you have any queries, please contact the undersigned.

Signed

	RPEQ Engineer Name
	Registration Number

	Professional Title
	Company Name
	Company Address
	Contact Details