

**SECTION 1: INSTALLATION DETAILS (to be completed and signed by the installer)**

This application form applies to AS4777 compliant Inverter Generation & Storage Systems exporting up to 10kW per phase per premises with a total inverter capacity not exceed 30kVA.

For all other systems, please visit <https://www.unitedenergy.com.au/industry/solar-energy/>

GENERATION SYSTEM OWNER DETAILS	
NMI (Refer to your electricity bill)	
Meter Number	
Generator Owner Name	
Site Address	
Email Address	
Telephone Number	Business Hours: After Hours:
Mailing Address	

INSTALLER DETAILS	
Installer Name	
Company	
Company Address	
License No (REC No)	
CEC Accreditation No	
Email Address	
Mobile Number	

# United Energy Inverter - Basic Micro Embedded Generator Connection Form



GENERATION & STORAGE SYSTEM DETAILS				
Status of the Generation System	New Installation <input type="checkbox"/>	Modify Installation <input type="checkbox"/>	Add Installation <input type="checkbox"/>	Decommission/Upgrade Installation <input type="checkbox"/>
No of Phase(s) Available at the Site	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/>	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/>	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/>	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/>
Multi-mode (Hybrid) Inverter <sup>1</sup>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Eligible for Victorian Gov. Rebate	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
EXISTING: GENERATION & STORAGE SYSTEM DETAILS				
Type of Generation and Storage		Solar <input type="checkbox"/> Battery <input type="checkbox"/> Wind <input type="checkbox"/> Other <input type="checkbox"/>	Solar <input type="checkbox"/> Battery <input type="checkbox"/> Wind <input type="checkbox"/> Other <input type="checkbox"/>	Solar <input type="checkbox"/> Battery <input type="checkbox"/> Wind <input type="checkbox"/> Other <input type="checkbox"/>
Total Generation Capacity (kW)		Solar:      Wind:      Other:	Solar:      Wind:      Other:	Solar:      Wind:      Other:
Total Storage Capacity (kWh)		Battery:      Other:	Battery:      Other:	Battery:      Other:
Total Inverter Capacity (kVA)		Hybrid:   Solar:   Battery:   Wind:	Hybrid:   Solar:   Battery:   Wind:	Hybrid:   Solar:   Battery:   Wind:
FINAL: GENERATION & STORAGE SYSTEM DETAILS				
Type of Generation and Storage	Solar <input type="checkbox"/> Battery <input type="checkbox"/> Wind <input type="checkbox"/> Other <input type="checkbox"/>	Solar <input type="checkbox"/> Battery <input type="checkbox"/> Wind <input type="checkbox"/> Other <input type="checkbox"/>	Solar <input type="checkbox"/> Battery <input type="checkbox"/> Wind <input type="checkbox"/> Other <input type="checkbox"/>	Solar <input type="checkbox"/> Battery <input type="checkbox"/> Wind <input type="checkbox"/> Other <input type="checkbox"/>
Total Generation Capacity (kW)	Solar:      Wind:      Other:	Solar:      Wind:      Other:	Solar:      Wind:      Other:	Solar:      Wind:      Other:
Total Storage Capacity (kWh)	Battery:      Other:	Battery:      Other:	Battery:      Other:	Battery:      Other:
Total Inverter Capacity (kVA)	Hybrid:   Solar:   Battery:   Wind:	Hybrid:   Solar:   Battery:   Wind:	Hybrid:   Solar:   Battery:   Wind:	Hybrid:   Solar:   Battery:   Wind:
Where Total Inverter Capacity is more than 10kVA per Phase, the Generation and Storage System is tested to ensure it does not export more than 10kW per Phase	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>

<sup>1</sup> A multi-mode (hybrid) inverter integrates solar and battery inverter technologies into one unit.  
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INVERTER DETAILS: MANDATORY FOR NEW / MODIFY / ADD / DECOMMISSION INSTALLATIONS			
Inverter Details	INVERTER 1	INVERTER 2	INVERTER 3
Manufacturer			
Model Number			
Quantity (No of Inverters)			
Serial Number <i>(if multiple inverters of same Make &amp; Model, then provide individual serial numbers on page 5)</i>			
Inverter Capacity (kVA)			
Number of Phase(s) Inverter Connected to:	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/>	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/>	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/>
Volt-Var and Volt-Watt applied with UE Settings & Sustained Operation Over-Voltage Limit set to 258V? <i>(Only applicable for New Inverters and Existing Inverters with Volt-Var &amp; Volt-Watt capability)</i>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
DRED Interaction Enabled?	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
GENERATION DETAILS: MANDATORY FOR NEW / MODIFY / ADD / DECOMMISSION INSTALLATIONS			
GENERATION 1	INVERTER 1	INVERTER 2	INVERTER 3
Generation Type (Solar PV / Wind / Other)			
Quantity (No of Panels / Turbines etc.)			
Type of Solar PV Panel <i>(Only applicable for Solar PV Panels – Refer to Page 5)</i>			
Manufacturer			
Model Number			
Rated Capacity per Device (kW)			
GENERATION 2	INVERTER 1	INVERTER 2	INVERTER 3
Generation Type (Solar PV / Wind / Other)			
Quantity (No of Panels / Turbines etc.)			
Type of Solar PV Panel <i>(Only applicable for Solar PV Panels – Refer to Page 5)</i>			
Manufacturer			
Model Number			
Rated Capacity per Device (kW)			

STORAGE DETAILS: MANDATORY FOR NEW / MODIFY / ADD / DECOMMISSION INSTALLATIONS			
STORAGE 1	INVERTER 1	INVERTER 2	INVERTER 3
Storage Type (Battery / Other)			
Quantity (No of Batteries / Fuel Cells etc.)			
Type of Storage Device ( <i>Only applicable for Storage Devices – Refer to Page 5</i> )			
Manufacturer			
Model Number			
Rated Storage Capacity per Device (kWh)			
STORAGE 2	INVERTER 1	INVERTER 2	INVERTER 3
Storage Type (Battery / Other)			
Quantity (No of Batteries / Fuel Cells etc.)			
Type of Storage Device ( <i>Only applicable for Storage Devices – Refer to Page 5</i> )			
Manufacturer			
Model Number			
Rated Storage Capacity per Device (kWh)			

## INVERTER SERIAL NUMBERS

The Installer must fill this page if more than one inverter of the same Make and Model is installed at a premises.

INVERTER NUMBER	INVERTER SERIAL NUMBER
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

## TYPES OF SOLAR PV PANELS

- Monocrystalline
- Polycrystalline
- Thin-film
- Concentrating PV
- Silicon
- Bio-hybrid
- Cadmium telluride

## TYPES OF STORAGE DEVICES

- Lithium-ion
- Lead acid
- Lead carbon sodium nickel
- Lead crystal
- Absorbed glass matt
- Vanadium
- Aqueous hybrid ion
- Tubular gel
- Zinc bromide
- Electric Vehicle

## SECTION 2: INSTALLATION COMPLIANCE (to be completed and signed by the Registered Electrical Contractor)

By signing this form, you acknowledge and represent that the information provided is true and correct and that the minimum requirements set out for inverter-based embedded generator systems exporting up to 10kW per phase per premises has been met. In particular:

- The inverter-based micro embedded generation system complies with the Electricity Safety Act 1998 (Vic) and associated Safety Regulations, the Electricity Distribution Code, the Victorian Services & Installation Rules AS/NZS3000 (Wiring Rules) and AS4777 (Grid Connection of Energy Systems via Inverters) and any other relevant Acts, Regulations, Standards or Guidelines;
- The Power Quality Response Modes, Volt-Watt (PV) and Volt-Var (QV) are enabled with the values prescribed in the UE Basic Micro Embedded Generation Connection Model Standing Offer (MSO);
- The sustained operation over-voltage limit (10-min average) is set to 258V as prescribed in the UE Basic Micro Embedded Generation Connection Model Standing Offer (MSO);
- The system has been tested to ensure it does not export more than 10kW per Phase and the total installed capacity is less than 30kVA;
- The inverter-based micro embedded generation system is connected to a dedicated circuit complete with local isolating switch at the switchboard;
- The main switchboard, isolating fuse / switch / circuit breaker is labelled correctly. Alternative supply signage is installed;
- Commissioning tests as specified in the Services & Installation Rules have been completed and passed;
- A Prescribed Certificate of Electrical Safety (CES) has been obtained. Copies of the Electrical Works Request (EWR) and Prescribed CES shall be sent to the Generator System Owner's Retailer; and
- The Generator System Owner has been advised that the inverter-based micro embedded generation system must remain switched off until any metering upgrades are completed to avoid potential metering and billing issues

INSTALLER SIGNATURE: ..... DATE: .....

## SECTION 3: CUSTOMER ACKNOWLEDGEMENT (to be completed and signed by the generation system owner)

By signing this form, you acknowledge and represent that you have read, understood and agree to comply with the UE Basic Micro Embedded Generation Connection Model Standing Offer (MSO), and that you:

- Are the owner or have a contract with the owner of the inverter-based embedded generation system listed under the Supply Address in Section 1;
- Have received an inverter-based embedded generation system operating manual from, and have been instructed on the operation of the inverter-based embedded generation system by, the Installation Company detailed in Section 1;
- Accept that United Energy will share information provided in Section 1 with the Australian Energy Market Operator (AEMO);
- Accept that approval will only be granted for the inverter-based embedded generation system detailed in this form, and that you must obtain further prior approval from United Energy to alter your inverter-based embedded generation system in any way (including settings); and
- Do not require a written offer.

CUSTOMER NAME..... CUSTOMER SIGNATURE: ..... DATE: .....

OR

- Require a written offer

CUSTOMER NAME..... CUSTOMER SIGNATURE: ..... DATE: .....

Please return the completed and signed form (keeping a copy for your reference) to your Retailer, or to United Energy via:

Mail: PO BOX 449, Mount Waverley, VIC 3149

E-mail: [uesolarconnections@ue.com.au](mailto:uesolarconnections@ue.com.au)