

N3105
revised
8/18/15

EVERSOURCE
INTERCONNECTION STANDARDS FOR INVERTERS
SIZED UP TO 100 KVA
Simplified Process Interconnection Application and Service Agreement

Eversource Application Project ID#: _____

Contact Information:

Legal Name and Address of Interconnecting Customer (or, Company name, if appropriate)

Customer or Company Name (print): Salmon Falls Holding Company, LLC

Contact Person, if Company: Hank Brandt

Mailing Address: PO Box 4300

City: Portsmouth State: NH Zip Code: 03802

Telephone (Daytime): 603-373-8401 (Evening): _____

Facsimile Number: _____ E-Mail Address: brandtdev@aol.com

Alternative Contact Information (e.g., System installation contractor or coordinating company, if appropriate):

Name: NhSolarGarden.com

Mailing Address: 74 Union rd

City: Stratham State: NH Zip Code: 03885

Telephone (Daytime): 603-817-1175 (Evening): _____

Facsimile Number: _____ E-Mail Address: andrew@nhsolargarden.com

Electrical Contractor Contact Information (if appropriate):

Name: TBD

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Telephone (Daytime): _____ (Evening): _____

Facsimile Number: _____ E-Mail Address: _____

Facility Site Information:

Facility (Site) Address: 48 Wildflower Circle

City: Somersworth State: NH Zip Code: 03878

Electric

Service Company: Eversource Account Number: _____ Meter Number: _____

Account and Meter Number: Please consult an actual Eversource electric bill and enter the correct Account Number and Meter Number on this application. If the facility is to be installed in a new location, please provide the Eversource Work Request number.

Eversource Work Request # 2410280

Non-Default Service Customers Only:

Competitive Electric

Energy Supply Company: _____ Account Number: _____

(Customer's with a Competitive Energy Supply Company should verify the Terms & Conditions of their contract with their Energy Supply Company.)

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Facility Machine Information:

Generator/ Model Name &
 Inverter Manufacturer: Solectia Number: PVI 7600TL Quantity: 6
 Nameplate Rating: 45.6 (kW) 45.6 (kVA) (AC Volts) Phase: Single Three
Nameplate Rating: The AC Nameplate rating of the individual inverter.
 System Design Capacity: 45.6 (kW) 45.6 (kVA) Battery Backup: Yes No
System Design Capacity: The system total of the inverter AC ratings. If there are multiple inverters installed in the system, this is the sum of the AC nameplate ratings of all inverters.
 Net Metering: If Renewably Fueled, will the account be Net Metered? Yes No
 Prime Mover: Photovoltaic Reciprocating Engine Fuel Cell Turbine Other _____
 Energy Source: Solar Wind Hydro Diesel Natural Gas Fuel Oil Other _____

Inverter-based Generating Facilities:

UL 1741 / IEEE 1547.1 Compliant (Refer To Part Puc 906 Compliance Path For Inverter Units, Part Puc 906.01 Inverter Requirements)
 Yes No
 The standard UL 1741.1 dated May, 2007 or later, "Inverters, Converters, and Controllers for Use With Independent Power Systems," addresses the electrical interconnection design of various forms of generating equipment. Many manufacturers choose to submit their equipment to a Nationally Recognized Testing Laboratory (NRTL) that verifies compliance with UL 1741.1. This term "Listed" is then marked on the equipment and supporting documentation. *Please include, any documentation provided by the inverter manufacturer describing the inverter's UL 1741/IEEE 1547.1 listing.*

External Manual Disconnect Switch:

An External Manual Disconnect Switch shall be installed in accordance with 'Part Puc 905 Technical Requirements For Interconnections For Facilities, Puc 905.01 Requirements For Disconnect Switches and 905.02 Disconnect Switch.'
 Yes No
 Location of External Manual Disconnect Switch: adjacent to meters

Project Estimated Install Date: Summer 2015 Project Estimated In-Service Date: Summer 2015

Interconnecting Customer Signature:

I hereby certify that, to the best of my knowledge, all of the information provided in this application is true and I agree to the **Terms and Conditions for Simplified Process Interconnections** attached hereto:

Customer Signature: _____ Title: _____ Date: _____

Please include a one-line and/or three-line diagram of proposed installation. Diagram must indicate the generator connection point in relation to the customer service panel and the Eversource meter socket. Applications without such a diagram may be returned.

For Eversource Use Only

Approval to Install Facility:

Installation of the Facility is approved contingent upon the Terms and Conditions For Simplified Process Interconnections of this Agreement, and agreement to any system modifications, if required.

Are system modifications required? Yes No To be Determined PLEASE REFERENCE

Company Signature: Michael Motta Title: SR. ENGINEER Date: 8/20/15
WR 2410780

EVERSOURCE
INTERCONNECTION STANDARDS FOR INVERTERS
SIZED UP TO 100 KVA
Terms and Conditions for Simplified Process Interconnections

Company waives inspection/Witness Test: Yes No

Date of inspection/Witness Test: TBD

1. **Construction of the Facility.** The Interconnecting Customer may proceed to construct the Facility in compliance with the specifications of its Application once the Approval to Install the Facility has been signed by the Company. Such Approval relates only to the Eversource and Puc 900 electrical interconnection requirements, and does not convey any permissions or rights associated with permits, code enforcement, easements, rights of way, set back, or other physical construction issues.
2. **Interconnection and operation.** The Interconnecting Customer may operate Facility and interconnect with the Company's system once the all of the following has occurred:
 - 2.1. **Municipal Inspection.** Upon completing construction, the Interconnecting Customer will cause the Facility to be inspected or otherwise certified by the local electrical wiring inspector with jurisdiction.
 - 2.2. **Certificate of Completion.** The Interconnecting Customer returns the Certificate of Completion to the Agreement to the Company at address noted.
 - 2.3. **Company has completed or waived the right to inspection.**
3. **Company Right of Inspection.** The Company will make every attempt within ten (10) business days after receipt of the Certificate of Completion, and upon reasonable notice and at a mutually convenient time, conduct an inspection of the Facility to ensure that all equipment has been appropriately installed and that all electrical connections have been made in accordance with the Interconnection Standard. The Company has the right to disconnect the Facility in the event of improper installation or failure to return Certificate of Completion. All projects larger than 10 kVA will be witness tested, unless waived by the Company.
4. **Safe Operations and Maintenance.** The Interconnecting Customer shall be fully responsible to operate, maintain, and repair the Facility.
5. **Disconnection.** The Company may temporarily disconnect the Facility to facilitate planned or emergency Company work.
6. **Metering and Billing.** All renewable Facilities approved under this Agreement that qualify for net metering, as approved by the Commission from time to time, and the following is necessary to implement the net metering provisions:
 - 6.1. **Interconnecting Customer Provides:** The Interconnecting Customer shall furnish and install, if not already in place, the necessary meter socket and wiring in accordance with accepted electrical standards. In some cases the Interconnecting Customer may be required to install a separate telephone line.
 - 6.2. **Company Installs Meter.** The Company will make every attempt to furnish and install a meter capable of net metering within ten (10) business days after receipt of the Certificate of Completion if inspection is waived, or within 10 business days after the inspection is completed, if such meter is not already in place.
7. **Indemnification.** Interconnecting Customer and Company shall each indemnify, defend and hold the other, its directors, officers, employees and agents (including, but not limited to, Affiliates and contractors and their employees), harmless from and against all liabilities, damages, losses, penalties, claims, demands, suits and proceedings of any nature whatsoever for personal injury (including death) or property damages to unaffiliated third parties that arise out of, or are in any manner connected with, the performance of this Agreement by that party, except to the extent that such injury or damages to unaffiliated third parties may be attributable to the negligence or willful misconduct of the party seeking indemnification.
8. **Limitation of Liability.** Each party's liability to the other party for any loss, cost, claim, injury, liability, or expense, including reasonable attorney's fees, relating to or arising from any act or omission in its performance of this Agreement, shall be limited to the amount of direct damage actually incurred. In no event shall either party be liable to the other party for any indirect, incidental, special, consequential, or punitive damages of any kind whatsoever.
9. **Termination.** This Agreement may be terminated under the following conditions:
 - 9.1. **By Mutual Agreement.** The Parties agree in writing to terminate the Agreement.
 - 9.2. **By Interconnecting Customer.** The Interconnecting Customer may terminate this Agreement by providing written notice to Company.
 - 9.3. **By Company.** The Company may terminate this Agreement (1) if the Facility fails to operate for any consecutive 12 month period, or (2) in the event that the Facility impairs or, in the good faith judgment of the Company, may imminently impair the operation of the electric distribution system or service to other customers or materially impairs the local circuit and the Interconnecting Customer does not cure the impairment.
10. **Assignment/Transfer of Ownership of the Facility.** This Agreement shall survive the transfer of ownership of the Facility to a new owner when the new owner agrees in writing to comply with the terms of this Agreement and so notifies the Company.
11. **Interconnection Standard.** These Terms and Conditions are pursuant to the Company's "Interconnection Standards for Inverters Sized Up to 100 kVA" for the Interconnection of Customer-Owned Generating Facilities, as approved by the Commission and as the same may be amended from time to time ("Interconnection Standard"). All defined terms set forth in these Terms and Conditions are as defined in the Interconnection Standard (see Company's website for the complete document).

TRANSFORMERLESS
STRING INVERTERS

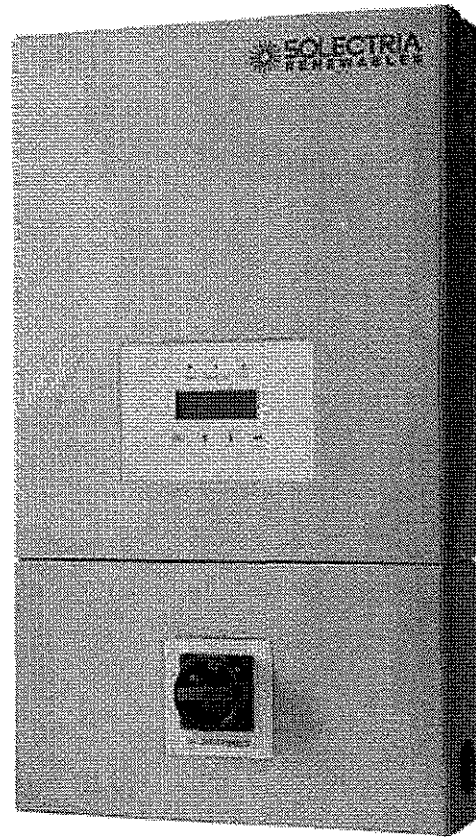
PVI 3800TL
PVI 5200TL
PVI 6600TL
PVI 7600TL

FEATURES

- 600 VDC
- Highest industry peak and CEC efficiencies
- Lightweight, compact design – smallest in the industry
- Quick and easy installation
- Wide operating voltage range
- DC disconnect
- Passive cooling

OPTIONS

- Web-based monitoring
- Revenue grade monitoring
- DC arc-fault detection and interrupt



TRANSFORMERLESS STRING INVERTERS

Solectria Renewables' PVI 3800TL, 5200TL, 6600TL and 7600TL are compact, transformerless, single-phase inverters with the highest peak and CEC efficiencies in the industry. These inverters come standard with an integrated DC disconnect, optional DC arc-fault detection and interrupt, 1 or 2 MPP tracker(s), and a user-interactive LCD and keypad. Its small and lightweight design make for quick and easy installation and maintenance. The inverters have an innovative passive cooling design. They don't have fans, so no fan noise or fan failures over the lifetime. These inverters include an enhanced DSP control, comprehensive protection functions, and advanced thermal design enabling highest reliability and uptime. They also come with a standard 10 year warranty with options for 15 and 20 years.

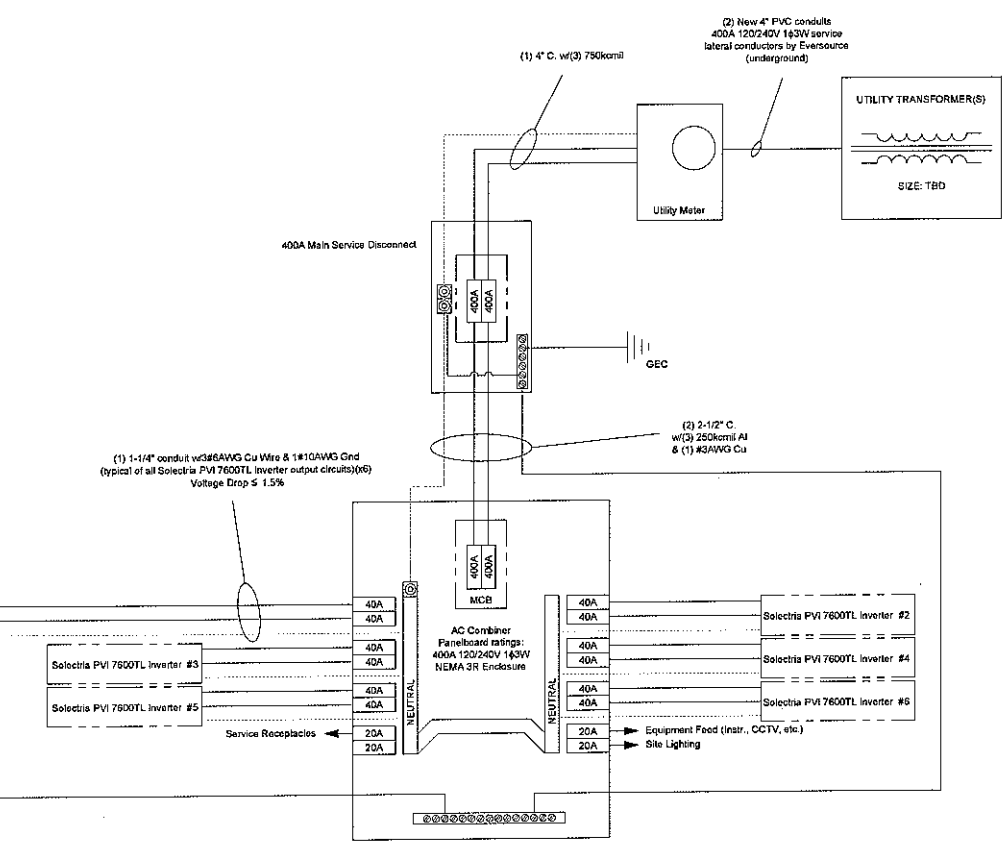
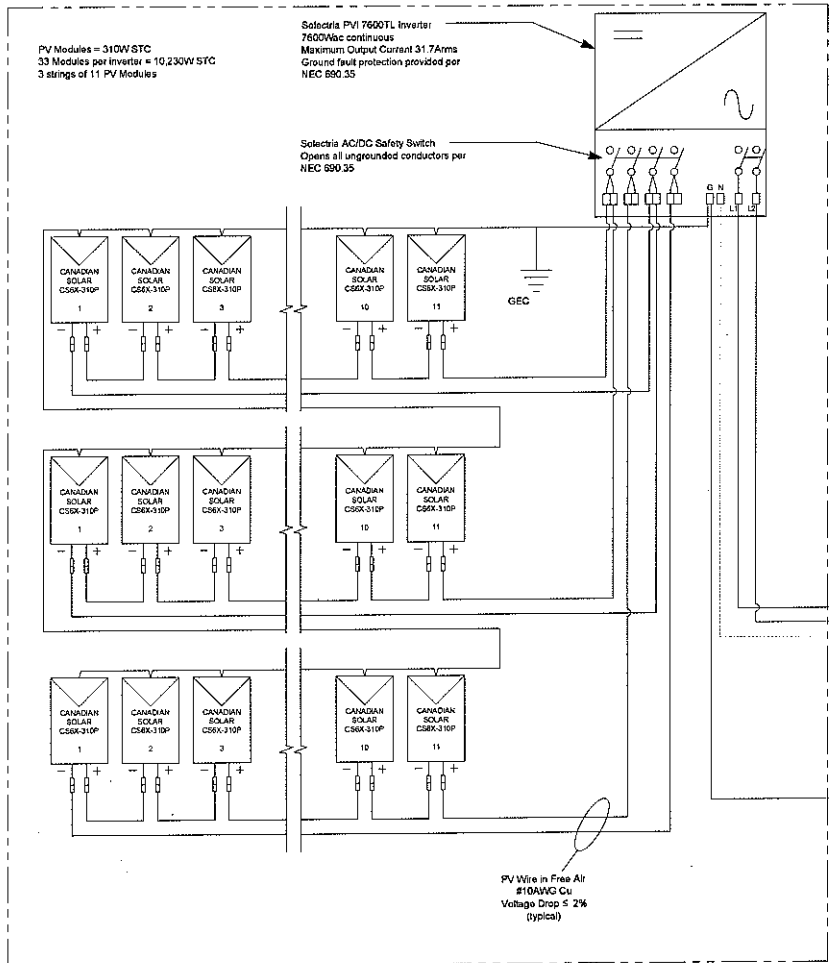


Built for the real world

SPECIFICATIONS	PVI 3800TL	PVI 5200TL	PVI 6600TL	PVI 7600TL
DC Input				
Absolute Maximum Open Circuit Voltage	600 VDC			
Operating Voltage Range	120-550 VDC			
MPPT Input Voltage Range	200-500 VDC			
MPP Trackers	1		2	
Maximum Operating Input Current	20 A	15 A per MPP tracker	18 A per MPP tracker	20 A per MPP tracker
AC Output				
Nominal Output Voltage	208 or 240 VAC, 1-Ph			
AC Voltage Range	-12%/+10%			
Continuous Output Power	208 VAC	3300 W	5200 W	6600 W
	240 VAC	3800 W	5200 W	6600 W
Continuous Output Current	208 VAC	15.8 A	25 A	31.7 A
	240 VAC	15.8 A	21.6 A	27.5 A
Maximum Backfeed Current	0 A			
Nominal Output Frequency	60 Hz			
Output Frequency Range	59.3-60.5 Hz			
Power Factor	Unity, > 0.99			
Total Harmonic Distortion (THD)	< 3%			
Efficiency				
Peak Efficiency	98.3%			
CEC Efficiency	97.5%			
Tare Loss	< 1 W			
Temperature				
Ambient Temperature Range (full power)	-13°F to +122°F (-25°C to +50°C)			
Storage Temperature Range	-40°F to +185°F (-40°C to +85°C)			
Relative Humidity (non-condensing)	0-100%			
Data Monitoring				
Optional SolrenView Web-based Monitoring	External			
Optional Revenue Grade Monitoring	External			
External Communication Interface	RS-485			
Testing & Certifications				
Safety Listings & Certifications	UL 1741/IEEE 1547, UL1699B, CSA C22.2#107.1, FCC part 15 A&B			
Testing Agency	ETL		CSA	
Warranty				
Standard	10 year			
Optional	Extended warranties, to 15 & 20 years			
Enclosure				
DC Disconnect	Standard, fully-integrated			
Dimensions (H x W x D)	17.5 x 15.8 x 8.5 in. (445 x 401 x 216 mm)		26.8 x 15.8 x 8.5 in. (680 x 401 x 216 mm)	
Weight	43 lbs (19.5 kg)		65 lbs (29.5 kg)	
Enclosure Rating	Type 4			
Enclosure Finish	Aluminum			

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PES Inc.

1 CONCORD RD
LEE, NEW HAMPSHIRE 03861
TELE: (603) 399-5330 / FAX: (603) 399-5721

REV	DATE	BY	CHKD
1	10/15/15	JL	MS
2	10/20/15	JL	MS
3	6/29/16	JL	MS
4	7/29/16	JL	MS

Drawn By: J. L. LEE
Checked By: J. L. LEE
Designed By: J. L. LEE
Approved By: J. L. LEE

SALMON FALLS HOLDING COMPANY, LLC
SALMON FALLS, NEW HAMPSHIRE

PV SYSTEM ONE-LINE DIAGRAM
61.38AWed46.6KW_{ac}

WHEET

PV-1

Not to be used for any other project without the express written authorization of Progressive Electrical Services, Inc.

Forwarded message

From: <DG@eversource.com>

Date: Wed, Nov 4, 2015 at 2:50 PM

Subject: #N3105 Salmon Falls Holding Company LLC (Somersworth) - Authorization to Interconnect

To: brandtdev@aol.com

Cc: michael.motta@eversource.com, richard.labrecque@eversource.com, Andrew@nhsolargarden.com

Dear Mr. Brandt:

We have processed the Exhibit B - Certificate of Completion for project # N3105 Salmon Falls Holding Company LLC (Somersworth) located at 17 Wildflower Circle, Somersworth, NH.

The Certificate of Completion has been reviewed and processed and a new net meter has been installed. Enrollment into the Net Metering program is complete and you may interconnect your project to the Eversource electrical distribution system in accordance with the *New Hampshire Code of Administrative Rules Chapter Puc 900 Net Metering For Customer-Owned Renewable Energy Generation Resources of 1000 Kilowatts or Less*, and the *Terms and Conditions for Simplified Process Interconnections*. Attached for your records is a copy of the "Certificate of Completion" and the "Simplified Process Interconnection Application and Service Agreement."

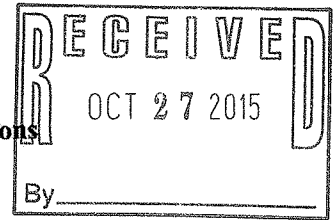
Please contact Michael.Motta@eversource.com or by calling [\(603\) 634-2920](tel:(603)634-2920) should you have any questions or require additional information.

Sincerely,

Michael D. Motta

Senior Engineer, Eversource Distributed Generation

Eversource
Interconnection Standards For Inverters Sized Up To 100 kVA
Exhibit B - Certificate of Completion for Simplified Process Interconnections



Installation Information: Check if owner-installed

Customer or Company Name (print): Salmon Falls Holding Company, LLC

Contact Person, if Company: Hank Brandt

Mailing Address: 48 Wildflower Circle

City: Somersworth State: NH Zip Code: 03878

Telephone (Daytime): 603-964-0674 (Evening): _____

Facsimile Number: _____ E-Mail Address: brandtdev@aol.com

Facility Information: → _____ Eversource Meter # 573045557

Address of Facility (if different from above): 17 48 Wildflower Circle

City: Somersworth State: NH Zip Code: 03878

Electrical Contractor Contact Information:

Electrical Contractor's Name (if appropriate): Progressive Electrical Services / Chris LaRocca

Mailing Address: 1 Concord Rd

City: Lee State: NH Zip Code: 03861

Telephone (Daytime): 603-397-5320 (Evening): _____

Facsimile Number: _____ E-Mail Address: chrisl@progressiveelectricalnh.com

License number: 10132M

Date of approval to install Facility granted by the Company: 08/20/2015

Eversource Application ID number: #N 3105

Inspection:

The system has been installed and inspected in compliance with the local Building/Electrical Code of:

City: Somersworth County: Strafford

Signed (Local Electrical Wiring Inspector, or attach signed electrical inspection):

Signature: [Handwritten Signature]

Name (printed): R. J. FERENSTINE Date: 10-22-15

Customer Certification:

I hereby certify that, to the best of my knowledge, all information contained in this Exhibit B – Certification of Completion is true and correct. This system has been installed and shall be operated in compliance with applicable standards. Also, the initial start-up test required by Puc. 905.04 has been successfully completed.

Please remember to provide digital photos of the installation, including the AC disconnect switch (if required), the existing Eversource meter, the inverters, and the point of electrical interconnection.

Customer Signature: _____

As a condition of interconnection you are required to send/fax a copy of this form to:

Eversource
Distributed Generation
780 North Commercial Street
P. O. Box 330, Manchester, NH 03105-0330
Fax No.: (603) 634-2924