

Interconnection Request and Equipment Information Form

Greater than 27 kW and up to 100 kW

Solar Installations

Class 1



Section 1.0 - Applicant Information

(To be filled out with information regarding the interconnecting customer)

Application Type

Applicant		
Contact Person		
Applicant Phone Number		Email Address:
Applicant Mailing Address		

Address of Generator		
Generator Location		
Property Identification No.		Property owned by the applicant (Y/N)?

Section 1.1 - Technical Designer Information

(To be filled out with information regarding the company/person responsible for the technical design of the installation)

Technical Design Company	
Company Mail Address	
Contact Person	
Contact Phone Number	
Contact Email Address	

Section 1.2 - Electrical Contractor Information

(To be filled out with information regarding the company who will obtain the electrical wiring permit and the site contact person responsible for the electrical installation).

Electrical Contracting Company	
Company Phone Number	
Certificate Number	
Site Contact	
Contact Phone Number	
Contact Email Address	
Wiring Permit Number	

Section 2.0 - NS Power Account and Service Information

Service Details	Account Number:	Meter Number:		
Annual Consumption	kWh:	Rate Code:		
Service Type	Amps:	Volts:	Phase:	Bus Rating:

- For new construction or for properties with limited historical electrical consumption, please complete Appendix A - 1.0
- If you intend to supply generation to more than one account, please complete Appendix A - 2.0

Section 3.0 - Proposed Interconnection Details

Direct Interconnection

New Service Required

Generation Capacity (kW)	AC:	DC:	Voltage:	Phase:
	Est. Annual Generation:			Capacity Factor:
	Capacity De-rated:	Limit (kW):	Method:	

Battery Storage	AC/DC Coupled:	Storage Capacity (kWh):
	Power (kW-Max.):	Power (kW-Cont.):
	Manufacturer:	Model Number:

Section 4.0 - Solar Equipment Information

Module Information	Manufacturer:	Model Number:
If multiple module types and sizes are utilized, please list individually and include within your submission	Nameplate Rating (kW):	No. of units:
	DC Output Voltage (each):	Rated Efficiency:
	Max DC String Voltage (at inverter):	
	Product Certification Information:	

Inverter Information	Manufacturer:	Model Number:
If multiple inverter types and sizes are utilized, please list individually and include within your submission	Nameplate Rating (kW/kVA):	No. of units:
	Max Cont. Output Rating:	Max DC Input Voltage:
	AC Output Voltage:	Rated Power Factor:
	Frequency:	Phase:
	Product Certification Information:	

Manufacturer specification sheets and certification compliance reports shall be provided with all for all rapid shutdown equipment in addition to the ICR. Equipment that does not have a recognized factory certification marking shall be subject to Field Evaluation under the SPE-1000 Model Code.

Section 5.0 - Protective Equipment

(Information below to be submitted for all projects)

5.0 (a) Provide manufacturers information for the protection package or devices	Provide manufacturers documentation for protective functions: <ul style="list-style-type: none"> • Under/Over Voltage • Under/Over Frequency • Anti-Islanding • Over-current
5.0 (b) Range of available settings for each protective function	Provide list of protection functions with available ranges of protection setting for tripping and shutdown, along with time delays.
5.0 (c) Proposed settings (Set point and times)	Provide list of protection functions with settings for tripping or shutdown, along with time delays. Example: High Voltage Trip 127V, Time Delay 0.1 Sec

Section 6.0 - Required Documentation

(Information below to be submitted for all projects)

6.0 (a) Electrical One-Line Diagram	A single-line diagram showing the electrical relationship and descriptions of the significant electrical components such as the generator, inverters, cables and wiring, switches, meters, transformers, circuit breakers, with operation voltages and ratings
6.0 (b) Manufacturers Information and Approvals	Provide manufacturer information sheets and certification compliance reports for equipment such as, inverters, generators, solar modules, rapid shutdown devices, combiner boxes, DC disconnect switches, and DC optimizers.
6.0 (c) Equipment Labelling	Provide a detailed list of all permanently installed labels indicating, label designation, label dimensions, label background color, label letter color, label letter height, and label verbiage.
6.0 (d) Site Plan	Provide a site plan showing the physical arrangement of the major equipment, including generating equipment, transformers, switches, control panels, the customer's existing metered service and the interconnection with NSPI's distribution system, Include the civic address, references, etc. Provide Property Identification Number (PID)
6.0 (e) Protective Device Data	For all protective devices used to protect and control the interconnection, please provide proposed protective device settings, circuit breaker and fuse data and coordination curves, and a description of how the protection scheme is intended to function.
6.0 (f) Point of contact	If the interconnection and start-up process is to be coordinated through a party or individual other than the customer, provide the name, company, address, and phone number of that individual or party with whom the utility is to coordinate the interconnection

Application Fee: \$57.00 + HST. Fee billed to the applicants primary account listed under section 2.0.

Note: Changes to equipment, capacity, and location post application and/or changes requiring additional review or resubmission of an Interconnection Request will be subject to additional application fees.

I hereby certify that I have reviewed and agree to adhere to Interconnection Requirements located at www.nspower.ca/netmetering and to the best of my knowledge, all the information provided in this Interconnection Request and Equipment Information Form is true and correct.

Signature:

Send completed form to:
netmetering@nspower.ca

Nova Scotia Power
P.O. Box 910
Halifax, NS B3J 2W5
Attn: Net Metering Team

Print:

Date:

Appendix A - Supplementary Information

1.0 - New Construction/Limited Historical Electrical Consumption

(Please provided the below additional details for all new construction or for properties with limited or no historical electrical consumption. **Please submit all available supporting documentation such as energy models or evaluations**)

Estimated Annual Electrical Consumption (kWh)		
Property Type (e.g. Residential/Commercial)		
Property Use (e.g. full-time, Hours of Operation)		
Square Footage (e.g. living area, used space)		
Heating System (e.g. heat pump, baseboard)		Energy Source:
Secondary Heating System (if applicable)		Energy Source:
Hot Water Heating (e.g. tank, on-demand)		Energy Source:
Other (additional information to be considered)		

2.0 - Dependent Accounts

(If you intend to supply generation to more than one account, please capture account details below)

Note: All dependent accounts must be within the same distribution zone, share the same NS Power account ownership, and share the same non-residential rate code (commercial only).

Priority	Address	Account Number	Meter Number	Rate Code	Annual Electrical Consumption (kWh)
2					
3					
4					
5					
6					
7					

3.0 - Revision/Change Request

(If your application is for a revision or change to existing equipment, please complete the following information)

Modules Information		Existing	+/-	Change	Manufacturer	Model Number
1	No. of units:					
	Nameplate Rating (kW):					
2	No. of units:					
	Nameplate Rating (kW):					
3	No. of units:					
	Nameplate Rating (kW):					
4	No. of units:					
	Nameplate Rating (kW):					

Total No. of Units:

Total Capacity (KW): DC

Inverter Information		Existing	+/-	Change	Manufacturer	Model Number
1	No. of units:					
	Nameplate Rating (kW):					
2	No. of units:					
	Nameplate Rating (kW):					
3	No. of units:					
	Nameplate Rating (kW):					
4	No. of units:					
	Nameplate Rating (kW):					

Total No. of Units:

Total Capacity (KW): AC

Example

	Existing	+/-	Change	Manufacturer	Model Number
No. of units:	200	+	25	ABC Company	M1234567
Nameplate Rating (kW):	.400		.400		

Total No. of Units: 225

Total Capacity (KW): 90