



**Interconnection Application**  
**For Residential and Commercial Power Systems 10 kW or Smaller**

A fee of \$0.00 must accompany this application

Date: \_\_\_\_\_

**Section 1: Customer Information**

Name: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_, State \_\_\_\_\_ Zip Code: \_\_\_\_\_

Phone (Day): \_\_\_\_\_ Phone (Evening): \_\_\_\_\_ Phone (Cell): \_\_\_\_\_

Fax \_\_\_\_\_ Email \_\_\_\_\_

**Section 2: Engineering firm (If applicable)**

Name: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_, State \_\_\_\_\_ Zip Code: \_\_\_\_\_

Phone (Day): \_\_\_\_\_ Phone (Evening): \_\_\_\_\_ Phone (Cell): \_\_\_\_\_

Fax \_\_\_\_\_ Email \_\_\_\_\_

**Section 3: Contact (If different from Interconnection Customer)**

Name: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_, State \_\_\_\_\_ Zip Code: \_\_\_\_\_

Phone (Day): \_\_\_\_\_ Phone (Evening): \_\_\_\_\_ Phone (Cell): \_\_\_\_\_

Fax \_\_\_\_\_ Email \_\_\_\_\_

**Section 4: Planned Installer Information**

Generating Facility Installer: \_\_\_\_\_

Phone (Day): \_\_\_\_\_ Phone (Cell): \_\_\_\_\_

Fax \_\_\_\_\_ Email \_\_\_\_\_

Licensed Electrician: \_\_\_\_\_

Phone (Day): \_\_\_\_\_ Phone (Cell): \_\_\_\_\_

Fax \_\_\_\_\_ Email \_\_\_\_\_

**Section 5: Generating Facility Information**

Installation Address (if different than above): \_\_\_\_\_

GVP customer account number: \_\_\_\_\_

Inverter Manufacturer: \_\_\_\_\_ Inverter Model: \_\_\_\_\_

Generator Size (Nameplate): \_\_\_\_\_ kW

Single Phase       Three Phase

System design capacity (DC rating): \_\_\_\_\_ kW

Prime mover:  Photovoltaic    Reciprocating Engine    Fuel Cell    Turbine

Other \_\_\_\_\_

Energy Source:  Solar    Wind    Hydro    Other \_\_\_\_\_

Is the equipment UL1741 Listed?    Yes       No

Inverter Location: \_\_\_\_\_

Site control documentation shall be submitted with the Interconnection request

Planned Installation start date: \_\_\_\_\_

The 10 kW inverter process is available only for inverter-based generating facilities no larger than 10 kW that meet the codes, standards, and certification requirements attached to this application or Grand Valley Power has reviewed the design or tested the proposed generating facility and is satisfied that it is safe to operate.

List the components of the generating facility that are currently certified:

Equipment type and size	Certifying entity
1.	_____
2.	_____
3.	_____
4.	_____
5.	_____

I hereby acknowledge that the above information is true and correct.

Signed (Equipment Vendor): \_\_\_\_\_ Date: \_\_\_\_\_

Name (Printed): \_\_\_\_\_ Company: \_\_\_\_\_

**Section 6: Certifications**

I hereby certify that, to the best of my knowledge, the information provided in this Application is true. I agree to abide by the terms and execute the Interconnection Service Agreement, and return the Certificate of Completion when the Generating Facility has been installed.

Signed (Customer): \_\_\_\_\_

Name (Printed): \_\_\_\_\_ Date: \_\_\_\_\_

**Deliver or Mail Completed Application to: Grand Valley Power, 845 22 Road, P. O. Box 190, Grand Junction, CO 81502  
Notification of Acceptance or Rejection will be given within 10 days of GVP receiving application**

**Section 5: Grand Valley Power Approval and Inspection (to be completed by GVP)**

Application Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

System Inspection by: \_\_\_\_\_ Date: \_\_\_\_\_

Grand Valley Power waives inspection/witness test?  Yes  No

## CERTIFICATION CODES & STANDARDS

1. IEEE1547 Standard for Interconnecting Distributed Resources with Electric Power Systems (including use of IEEE 1547.1 testing protocols to establish conformity)
2. UL 1741 Inverters, Converters, and Controllers for Use in Independent Power Systems
3. IEEE Std 929-2000 IEEE Recommended Practice for Utility Interface of Photovoltaic (PV) Systems NFPA 70 (2005), National Electrical Code
4. IEEE Std C37.90.1-1989 (R1994), IEEE Standard Surge Withstand Capability (SWC) Tests for Protective Relays and Relay Systems
5. IEEE Std C37.90.2 (1995), IEEE Standard Withstand Capability of Relay Systems to Radiated Electromagnetic Interference from Transceivers
6. IEEE Std C37.108-1989 (R2002), IEEE Guide for the Protection of Network Transformers
7. IEEE Std C57.12.44-2000, IEEE Standard Requirements for Secondary Network Protectors
8. IEEE Std C62.41.2-2002, IEEE Recommended Practice on Characterization of Surges in Low Voltage (1000V and Less) AC Power Circuits
9. IEEE Std C62.45-1992 (R2002), IEEE Recommended Practice on Surge Testing for Equipment Connected to Low-Voltage (1000V and Less) AC Power Circuits
10. ANSI C84.1-1995 Electric Power Systems and Equipment – Voltage Ratings (60 Hertz)
11. IEEE Std 100-2000, IEEE Standard Dictionary of Electrical and Electronic Terms
12. NEMA MG 1-1998, Motors and Small Resources, Revision 3
13. IEEE Std 519-1992, IEEE Recommended Practices and Requirements for Harmonic Control in Electrical Power Systems
14. NEMA MG 1-2003 (Rev 2004), Motors and Generators, Revision 1

## CERTIFICATION OF GENERATOR EQUIPMENT PACKAGES

1. Generating Facility equipment proposed for use separately or packaged with other equipment in an interconnection system shall, subject to the other criteria in this Attachment 3, be considered Certified for interconnected operation only if (1) it has been tested in accordance with industry standards for continuous utility interactive operation in compliance with the appropriate codes and standards listed in Attachment 2 by any Nationally Recognized Testing Laboratory (NRTL) recognized by the United States Occupational Safety and Health Administration to test and certify interconnection equipment, (2) it has been labeled and is publicly listed by such NRTL at the time of the interconnection Interconnection request, and (3) such NRTL makes readily available for verification all test standards and Procedures it utilized in performing such equipment certification, and, with Interconnection Customer approval, the test data itself. The NRTL may make such information available on its website and by encouraging such information to be included in the manufacturer's literature accompanying the equipment.

2. The Interconnection Customer must verify that the intended use of the equipment falls within the use or uses for which the equipment was tested, labeled, and listed by the NRTL.

3. Certified equipment shall not require further type-test review, testing, or additional equipment to meet the requirements of this interconnection Procedure; however, nothing herein shall preclude the need for an on-site commissioning test by the Parties to the interconnection nor follow-up production testing by the NRTL.

4. If the Certified equipment package includes only interface components (switchgear, inverters, or other interface devices), then a Interconnection Customer must show that the generator or other electric source being utilized with the equipment package is compatible with the equipment package and is consistent with the testing and listing specified for this type of interconnection equipment.

5. Provided the generator or electric source, when combined with the equipment package, is within the range of capabilities for which it was tested by the NRTL, and does not violate the interface components' labeling and listing performed by the NRTL, no further design review, testing or additional equipment on the Interconnection Customer side of the point of common coupling shall be required to meet the requirements of this interconnection Procedure.

6. An equipment package does not include equipment provided by Grand Valley Power.