

Smart Inverter Supplement Addendum

Are you planning on installing a solar or battery system?

If so, it will have to include a Smart Inverter in order to be interconnected to the PPL Electric Utilities grid... To learn more about Smart Inverters, refer to our [Smart Inverter FAQs](#). Then, if you decide to proceed with your distributed generation application, your Smart Inverter model must be listed in this Smart Inverter Supplement Addendum. Otherwise, contact your Inverter Manufacturer for a list of their Smart Inverters. Guidance on this Smart Inverter review is provided below.

In accordance with the Pennsylvania Public Utility Commission (PaPUC) [Alternative Energy Portfolio Standards Chapter 75](#), customer-generator and Third Party applications must be “certified” inverters that comply with § 75.22. Definitions:

Certified—A designation that the interconnection equipment to be used by a customer-generator complies with the following standards, as applicable:

(i) IEEE Standard 1547, “Standard for Interconnecting Distributed Resources with Electric Power Systems,” as amended and supplemented.

(ii) UL Standard 1741, “Inverters, Converters and Controllers for use in Independent Power Systems” (January 2001), as amended and supplemented.

In September 2016, UL announced a new Advanced Inverter Testing and Certification Program, which will utilize UL 1741 SA to test and certify inverters and other utility-interconnected distributed generation (DG) equipment for grid-support functions enabling smarter, safer, reactive grid interconnection. To be interconnected to the PPL electrical grid, the Smart Inverter must comply with these standards. Furthermore, PPL EU requires that the DER installer must submit a copy of the Inverter(s) Manufacturer’s Production Report; including the inverter set points and the model serial number upon submission of the Interconnection Application.

The following [link](#) will direct you to a list of Smart Inverters that may be interconnected to the PPL EU grid. It was developed with Inverter manufacture input on their models that comply with UL 1741 Supplement A (Advanced Inverter Testing and Certification Program).

Please complete your application and include the “Manufacturer” name and “Model Number of Inverter” on the Application and forward to the appropriate PPL EU Customer Service Department:

For systems 25 kW or smaller and being installed at a location with single-phase service forward to:
renewableenergyapplications@pplweb.com

For systems larger than 25 kW and being installed at a location with single phase or three phase service, forward to:
businessaccounts@pplweb.com

If you have questions, refer to our [Smart Inverter FAQ](#) or contact PPL EU at one of the above e-mail addresses.