

PPL Electric Utilities Corporation

RULES FOR ELECTRIC SERVICE RULE 12- DISTRIBUTED ENERGY RESOURCE (DER) INTERCONNECTION SERVICE

A. PURPOSE (C)

The Distributed Energy Resource Interconnection Service (DERIS) shall be applied to all new DER interconnections with the distribution system effective January 3, 2026, and as further provided in this Rule. DERs shall include inverter-based alternative energy sources and systems, as defined in the Alternative Energy Portfolio Standards Act of 2004 (73 P.S. §§ 1648.1 - 1648.8), and storage resources (batteries).

B. APPLICATION (C)

- (1) This Rule shall apply to all inverter-based DERs, whose interconnection applications are received on or after January 3, 2026.
- (2) This Rule shall apply to all customers who receive Basic Utility Supply Service under Rate Schedules RS, GS-1, GS-3, and LP-4.

C. DEVICE REQUIREMENTS

(1) Renewable Energy Connection –

The online portal allows customers to apply to interconnect the DER Management Devices with the distribution system. Refer to the REMSI Renewable Energy Connection under PPL Electric's Electric Rates and Rules for additional information.

<https://www.pplelectric.com/utility/about-us/electric-rates-and-rules.aspx>

(2) Smart Inverters — (C)

Inverters connecting to the distribution system must comply with IEEE 1547-2018 and must be certified to UL 1741 Supplement B, or current utility certification requirements. The list of smart inverters that meet these requirements will be made publicly available and regularly updated on the Company's REMSI website.

(3) DER Management Device – (C)

All DERs whether Customer-Owned or Third Party-Owned that are applying to interconnect with PPL Electric's distribution system must install smart inverters as defined in Rule 12(C)(2). Additionally, a DER Management Device owned, installed, and maintained by the Company will be connected to the data port of the smart

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RULE 12 - DISTRIBUTED ENERGY RESOURCE (DER) INTERCONNECTION SERVICE (Continued)

C. DEVICE REQUIREMENTS (Continued)

(3) DER Management Device – (Continued)

inverter for any new DER installation. The DER Management Device is a sealed utility enclosure governed by REMSI Rule 1 and may use the Meter Network radios to connect wirelessly to PPL Electric's RF mesh network. These devices shall be installed and maintained in accordance with the Company's "Rules for Electric Meter and Service Installations (REMSI)". Refer to the REMSI DER Management Device section for additional information.

The Company also will install DER Management devices on: (1) solar photovoltaic systems interconnected before the First DER Management Plan's Pilot Program (Pilot Program) started on January 1, 2021; and (2) inverter-based DERs interconnected after the Pilot Program started without DER Management devices installed on them. Customer-generators with these systems must submit a new interconnection application when they upgrade their system, install a new inverter on their system, or by January 3, 2041, whichever is earlier. The DER Management devices will be installed on those systems after their new interconnection applications are approved as compliant with the Company's current requirements for DERs and inverters and after their systems are installed and inspected.

If the Company does not have a DER Management device that is available or compatible with the proposed DER inverter set forth in an interconnection application, the Company may, in its sole discretion, approve the interconnection application, provided that the interconnection application and proposed DER meet all of the other requirements under the Commission's regulations and this tariff. The Company reserves the right to install a DER Management device on such DERs once a compatible DER Management device becomes available.

D. DER MANAGEMENT

(C)

Effective January 3, 2026, the Company shall be permitted to actively monitor and manage the grid support functions of DER inverters using the DER Management Devices and the Company's Distributed Energy Resources Management System (DERMS), as set forth in the Second DER Management Plan, and may make operational decisions based on DER operational information obtained through the DER Management devices.

RULE 12 - DISTRIBUTED ENERGY RESOURCE (DER) INTERCONNECTION
SERVICE (Continued)

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