Lunar Energy Applications Note

Rogowski Coil for AC PV

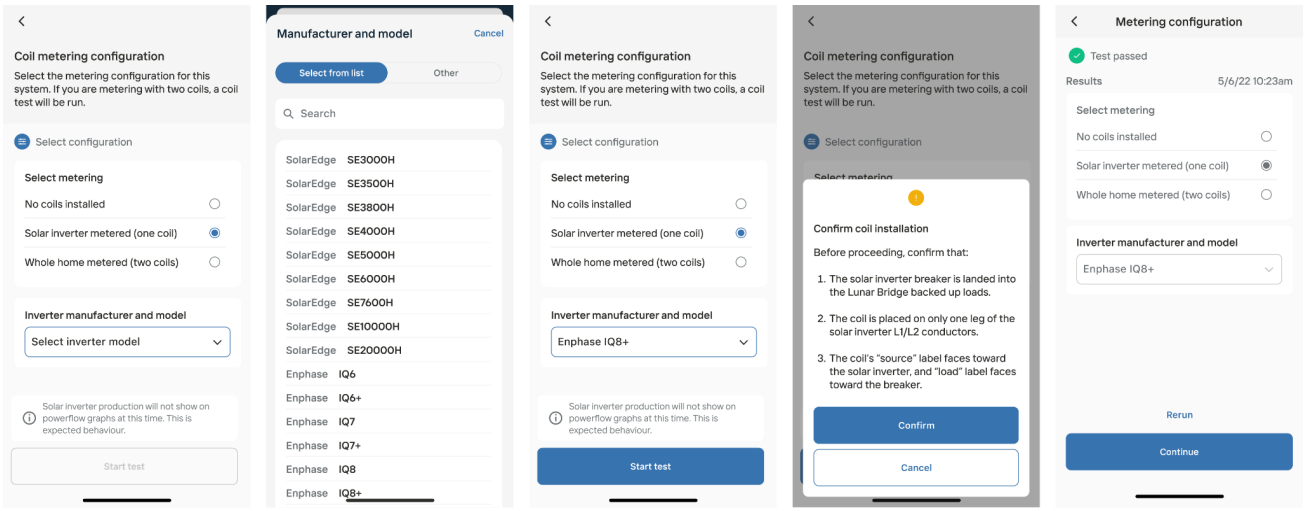
This Applications Note outlines the use of a Rogowski Coil (“Coil”) for metering AC PV. With the latest version of the Install App, a single Coil can be commissioned for metering an AC coupled Solar Inverter with the Lunar System.

Install configuration:

- Only 1 single Coil can be installed for metering AC PV.
- Install the Coil on either Line 1 or Line 2 of the solar inverter output
- Where multiple solar inverters are installed, install the coil around a combined feeder, or multiple feeders can be inside the Coil window provided they are the same Line voltage and the same current direction
- Terminate the Coil on either “Coil 1A/1B” or “Coil 2A/2B” at the Bridge
- The AC PV breaker must be in backup

Commissioning:

Follow the guidance within the Lunar Installer App for commissioning.



Additional Notes:

- AC PV metering with an Eaton AbleEdge breaker is still supported.
- Rogowski Coils are only supported on the Lunar Bridge, not the MSA-Controller.
- It is not possible to meter both non-backup loads and AC PV with Rogowski Coils.
- Loads connected to the non-backup lugs in the Bridge are automatically metered and do not require Coils.