OWL INTUITION 3 PHASE PV INSTALLATION

HARDWARE REQUIREMENTS

The follow hardware items are required for a 3 Phase PV installation

1 x Network OWL + connection to the Internet
2 x CMR180i three channel electricity transmitters

6 x Current clamps for a type 1 PV installation (Henley block)
Or
9 x Current clamps + 3 x 'Y' cables for a type 2 PV installation (no Henley block)

INSTALLATION

Before setting up a 3 Phase PV system, make sure you have an Intuition account set up. You can create an account on the site if you don't already have one.

Once an account has been set up, log in to the dashboard.

Next, go to the devices menu and check if there is an upgrade available for the Network OWL. The Network OWL needs to be running v3.0 firmware or greater to be able to work with a 3 Phase PV setup. If you have the option to upgrade the Network OWL, click on the upgrade button and wait for the upgrade to complete. Once you have confirmed that the Network OWL is running the latest firmware you can proceed to the next step.

In the devices list, make sure there are no existing electricity transmitters paired to the Network OWL. If there are existing transmitters, delete them and log out and back in before moving to the next step.

Open the wizard menu to run the setup wizard. Select the 'Electricity monitoring' option and click next. Select the transmitter type 'CMR180i' and follow the instructions for pairing the first transmitter. This will be the consumption transmitter, please label it in some way so that it doesn't get mixed up with the generation transmitter.

Once the first transmitter has been paired, you will be prompted for a system type. Choose one of the relevant 3Phase PV systems (even if the system is 3 phase consumption + PV). Press 'Next' then configure the consumption voltage settings. Press 'Next' to move on to pairing the second transmitter.

Follow the steps for pairing the second transmitter, then label the second transmitter as the generation transmitter. After pairing, configure the PV settings and complete the wizard.

The dashboard will refresh and you will see the electricity and solar widgets on the dashboard. Once the current clamps have been attached and plugged in to the electricity transmitters you will see data in the widgets.

The tariffs can be set by clicking on the cogs icon on the electricity/solar widgets.