# Initial Configuration Steps

The eGauge must be configured for the system monitored or data will be invalid.

> Meters sold after June 1, 2023 may default to the Modern User Interface. After logging into the eGauge meter, choose **Setup >> Other Settings** from the main menu to access the configuration settings and continue as outlined below.

To configure the eGauge, log on to it (see this KB article) and navigate to Settings -> Installation.
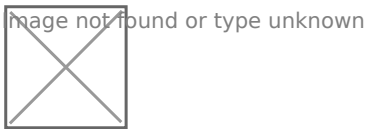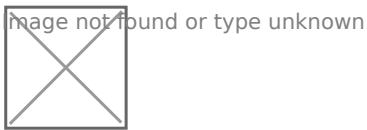
The full configuration guide can be accessed at egauge.net/help/config. Line diagrams with example configurations can be found in Section 2 Configuration Examples, starting on page 13 (as of time of writing this article).
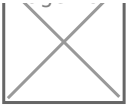
Potential Transformers
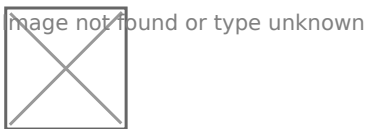
If step-down transformers are used, select the appropriate transformer ratio or type here. E.g., 480:120 for a generic 480V to 120V transformer, or FDT-480-120 for the Functional Devices transformer provided by eGauge Systems.

If eGauge is connected directly to the systems voltage, leave this as "direct (no PT)"

Sensors/CTs

Note: in firmware v4.0 and greater, "CT" has been changed to "S" for Sensor. For example, CT5 = S5, and CT12 = S12.

The current transformers in each slot are selected here. See this KB article for how to understand the drop-down menu options

Remote Devices

This can be left alone if no remote devices are used.

Registers

Note: in firmware v4.0 and greater, "CT" has been changed to "S" for Sensor. For example, CT5 = S5, and CT12 = S12.

Registers can be deleted by clicking the [x] to the right of the register name. For each measurement, add a register. Click "Add Component" to add a CTxLine combination.

This example shows three-phase Grid being monitored by CT1, CT2, and CT3.

Solar 1 is monitored by CT4 and CT5, and is feeding on L1 and L2.
Solar 2 is monitored by CT6 and CT7, feeding on L3 and L1.

It is vital for CTxLine combinations to be correct. Visit this KB article on information on phase checking with a volt-meter.

DC load monitoring

If monitoring DC loads using the Ldc voltage input, choose "Ldc" instead of L1, L2 or L3. If monitoring DC loads using an EV1000 voltage sensor, choose the appropriate sensor input (e.g., "S4") instead of Ldc or a line input.

Total and Virtual Registers

The Usage and Generation totaling registers determine the red and green areas on the main graph, as well as summary information for Usage and Generation.

For Usage in a back-fed system, positive values of Solar (e.g., Solar 1+) are added to Grid. In a line-side feed, the negative values would be added to Usage (e.g., Solar 1-).

Generation consists of all Generating loads.

Please visit kb.egauge.net for the most up-to-date documentation.