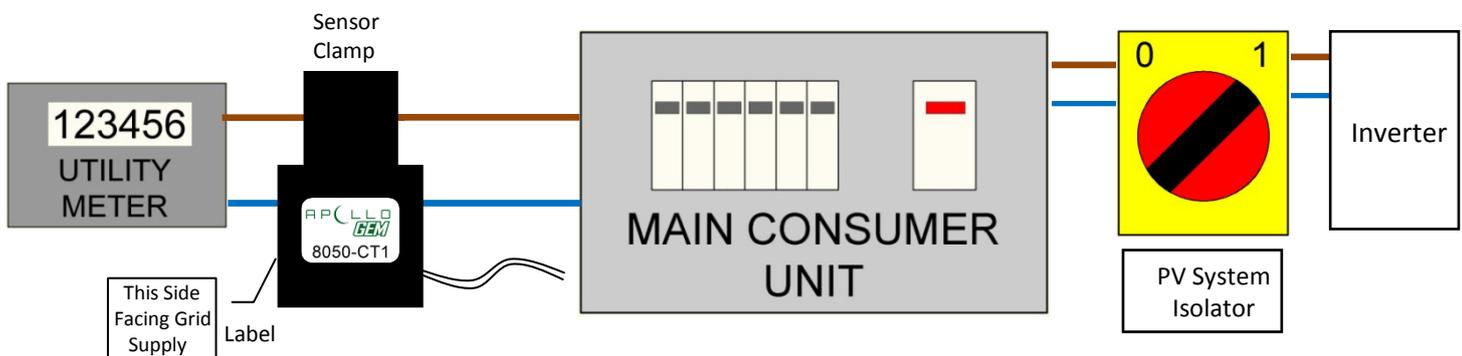


Apollo GEM Power Sensor (CT) clamp installation

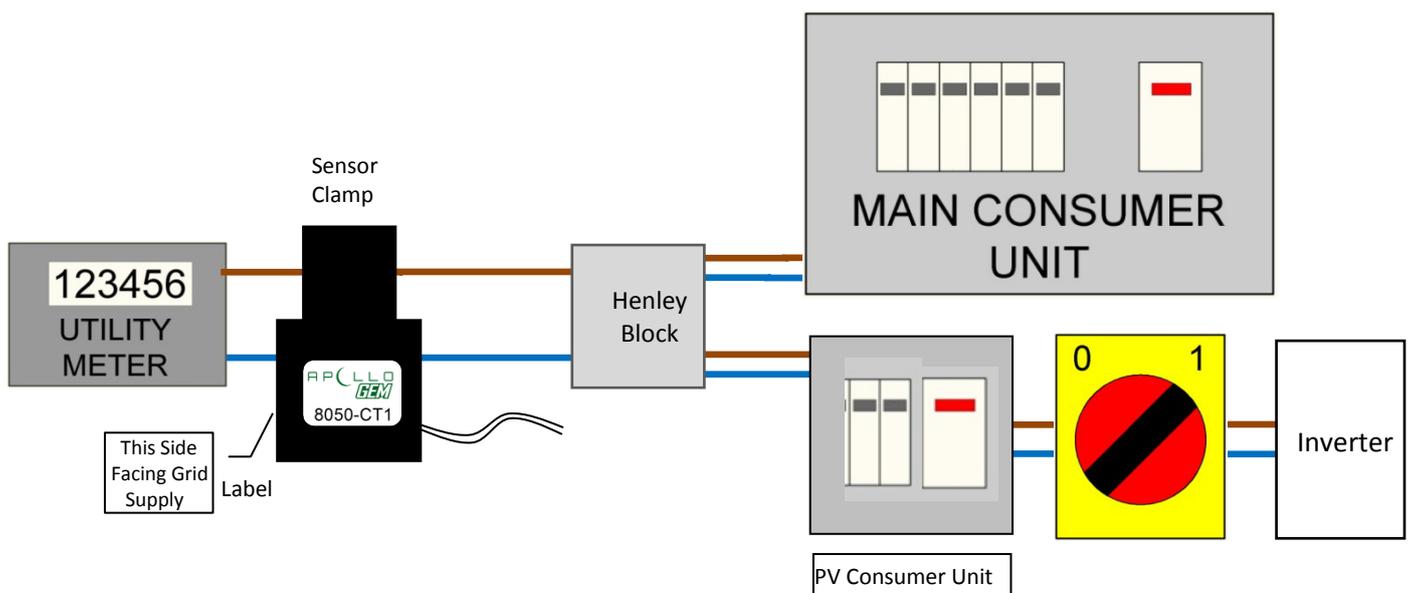
The Apollo GEM current sensor is an opening clamp type sensor that is clamped around the meter tail cable between the main utility meter and the consumer unit.

The current sensor together with the controller measure the power being imported to or exported from the building.

The sensor can be clamped to the meter tail at any convenient location. In many cases the sensor can be inside the consumer unit itself on the incoming meter tail. The sensor however must be located upstream of the PV system connection. If the PV system is connected to the main consumer unit then the current sensor may be clamped round the incoming supply to the consumer unit as shown below:

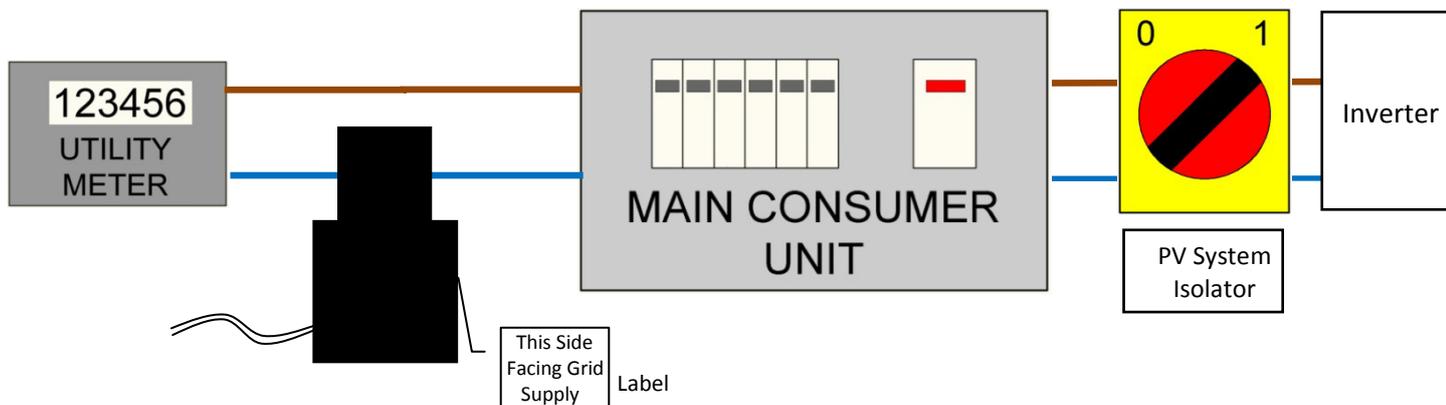


If the PV system is connected via a "Henley Block" in parallel with the consumer unit then the sensor must be clamped round the incoming supply between the meter and the Henley Block as shown:



Notes:

1. ENSURE THAT THE CLAMP IS FIRMLY “CLICKED” SHUT AROUND THE CABLE
2. If Required the clamp can be placed on the neutral conductor, however the direction of the clamp must be reversed:

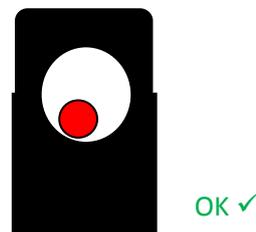


The current sensor clamp when installed on the live conductor is positioned with the label “This side facing grid supply” facing *towards* the incoming supply.

If it is more convenient, the sensor can be installed on the neutral supply cable instead of the live. In this case the label “This side facing grid supply” should face *away* from the incoming supply.

3. Cable size The cable aperture in the sensor is 16mm which can accommodate a cable size up to 35mm²
Standard meter tails are usually 25mm² or 16mm²

Note that the clamp does not need to be a tight fit on the cable. The sensor works by sensing the magnetic field produced by the cable which does not depend of the cable diameter.



4. Sensor cable Length As standard the sensor cable length is 3M. If required the sensor cable length can be extended up to 100M in length without affecting the sensor accuracy.
If extending the sensor cable, use a 2-core cable of 0.5mm² wire size or larger.