

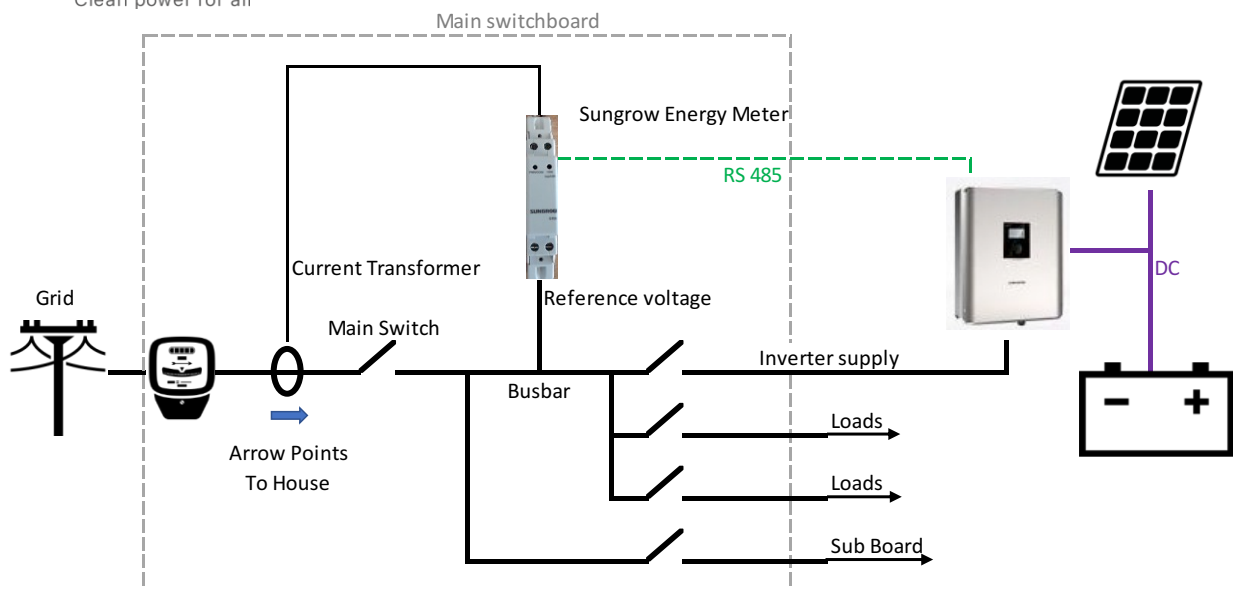
Correct wiring of the Sungrow S100 Energy meter

Correct location of parts:

The Sungrow S100 Energy Meter is a sensing device that will let the Inverter know when energy is importing or exporting to the grid, and senses grid voltage. This information enables correct battery charging and discharging, and EPS mode.

The following methodology of connection will result in the system working correctly.

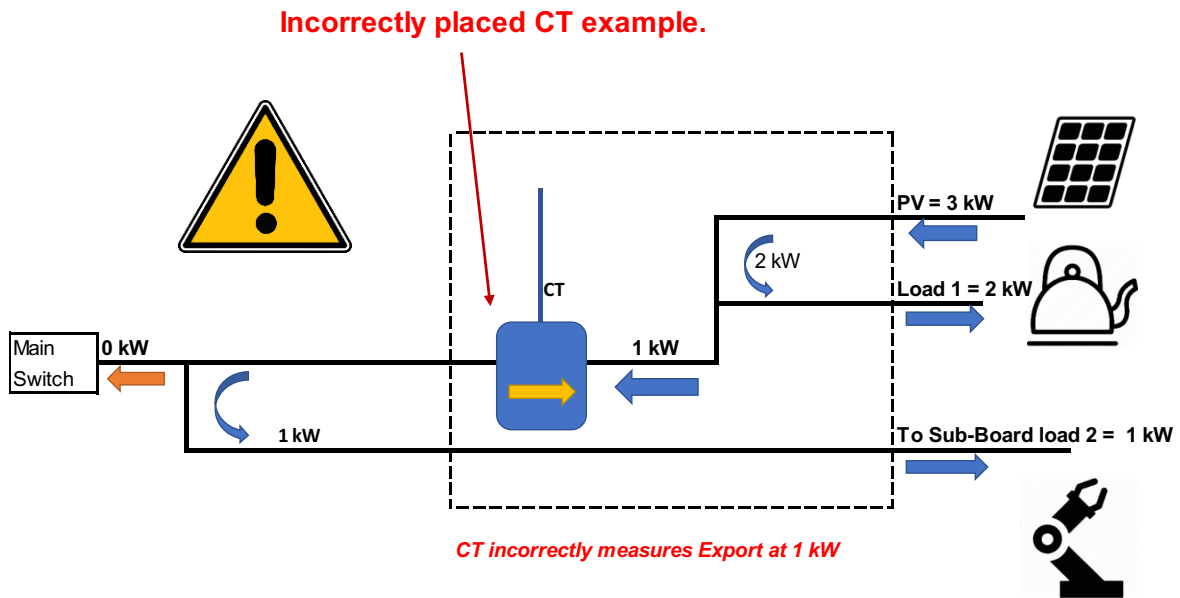
1. The CT must be clipped over the **entire current carrying cables of the house at the main switch.**
2. The arrow on the CT must **point in the direction of the house.**
3. The reference voltage must be connected to the **live side between the main switch and the circuits.**
4. The RS 485 connects to the Inverter – polarity sensitive.



The Current transformer measures total current flow to and from the house.
 Reference voltage detects Grid voltage on consumer side of the main switch and converts Amps to Watts.
 RS 485 communicates with inverter.

The following two diagrams show common connection mistakes:

Incorrect CT placement:



Incorrect Voltage Reference connection – causes EPS mode to cycle.

