

NET Metering - Reading the ECA2.nv (or .nz) meter

The ECA2.nv and .nz meters have been specifically designed for use within a solar installation for the metering of generation and particularly with solar installations that also include co-location battery storage.

The meter has three registers which automatically alternate every few seconds. An arrow on either each side of the display points to the name of the register being displayed.

IMP - The Import register. This shows the amount of electricity taken (imported) from the electricity supply grid. If there is battery storage located with the solar equipment, this is the amount of energy taken to charge the battery from the grid.

EXP - The Export register. The export register shows the amount of energy supplied to the home from solar generation and any battery storage.

If the meter is used within a solar generation system that has no battery storage, the EXP value should be used as the reading for any Feed-in-Tariff (FIT) claim.

NET - The Net register is the calculated amount of energy that has been generated by the solar system and offsets the energy supplied from battery storage when charged from the grid.

For a system which has both solar generation and co-located battery storage, the NET value should be used as the reading for any Feed-in-Tariff (FIT) claim.

PLEASE NOTE: If this meter is used in an installation without battery storage both the NET register and IMP should be ignored. In such an installation, due to the calculations performed, the NET register may show a negative value which is normal.

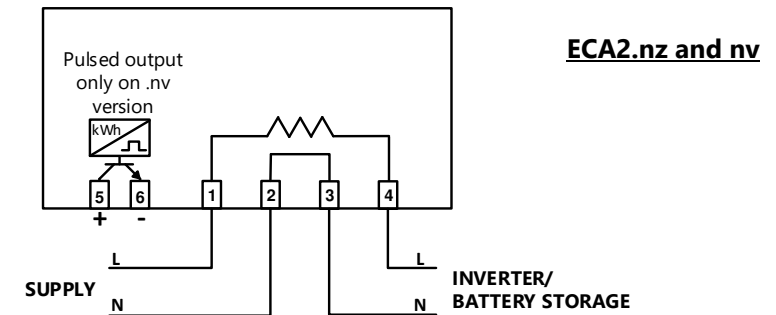
At all times an arrow will point to **kWh** confirming that the units shown on the display are kWh (kilo-watt hours).

Please contact your solar installation company or meter stockist for further advice.

Notice to Meter Installers

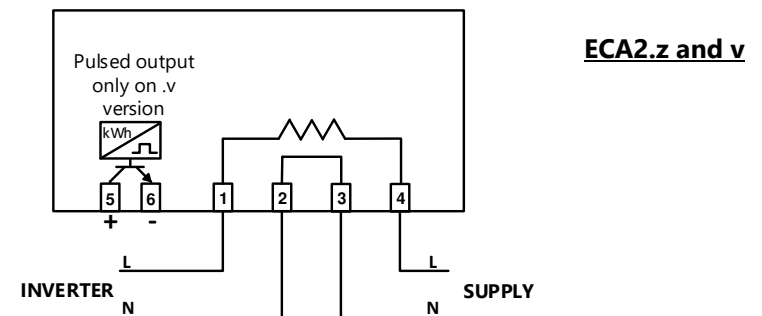
OFGEM guidance has been given on the specific set of calculations to be performed to gain a net energy figure.

To enable the ECA2.nv or .nz to record the net energy reading correctly, it must be connected according to the diagram below:



ECA2.nz/nv wiring diagram

PLEASE NOTE: The ECA2.z and .v do not calculate the NET energy value and normally only have one register showing total generation. This is normally configured as the **IMP** import register. In this case the meter is normally connected with the input and output connections reversed.



ECA2.z/v wiring diagram