

Net Metering (PV Solar Meter) - typically EM1000

How your solar system/net metering works in simple terms.

DC power is generated by your panels which are then converted to AC via your solar inverter.

This power is fed back to your switchboard.

The inverter records the total power in kWh that is fed back to your switchboard. This is a progressive total on your inverter and shown in various formats depending on the inverter i.e. total kWh, E total etc.

Your household will first use the power generated at that time from your solar system before using power from the grid.

Should additional power be required it will be drawn from the grid and metered accordingly.

Any excess over your household usage will be fed back to the grid via your "Net Meter" recording a negative reading. This reading will be credited according to your agreed "Feed in Tariff"

The basic single rate Net Meter reads:

1. Your electricity consumption from the grid. This is recorded as a normal reading on your meter.
2. The excess electricity after household consumption that is fed back to the grid. This is recorded as a (-) reading on your meter.

Note that your net meter cannot calculate the power used by your household from the solar system. This can be calculated by subtracting the total kWh fed back to the grid (i.e. the negative meter reading for the period) from the Total kWh for the same period generated by your solar system (i.e. your inverter Total kWh or E Total reading).