

Solar Saving Calculator.

With feedback traffic as low as 5c/kWh and buying electricity from the grid at about 25 to 30c/kWh. (2023 price and varies with different energy retailers). **The saving is not from selling electricity back to the grid. It is by using the electricity the solar panel generate and not buying from the grid.** The smart meter only shows how much you buy and how much you send back to the grid. It does not show how much you used from the solar panels. You have to read the inverter to see how much it produced for the billing period and subtract it from how much you sold back to the grid. This requires some calculations and the spreadsheet makes it easier. You have to make an initial reading on the inverter as it shows how much electricity it generated since it was installed.

Download the spreadsheet and type in your numbers. Full instructions are on the spreadsheet.

Battery Saving: It assumes 80% efficiency in charging and getting the electricity back. It assumes that you use all your electricity saved in the battery at night.

Why do it? You can also check if your solar system is still working. They do fail, it has happened to me. Some energy retailers do provide this service but can only guess from your smart meter readings. It does not show how much electricity you produced yourself.

Also, it helps you analyses your electricity usage and find savings.